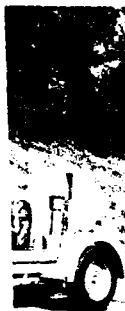




US Army Corps
of Engineers

AD-A207 159



200 FILE COPY

TECHNICAL REPORT GL-89-3

2

EVALUATION OF NONDESTRUCTIVE TEST EQUIPMENT FOR AIRFIELD PAVEMENTS

Phase I

CALIBRATION TEST RESULTS AND FIELD DATA COLLECTION

by

Ross A. Bentsen, Albert J. Bush III, J. Andrew Harrison

Geotechnical Laboratory

DEPARTMENT OF THE ARMY
Waterways Experiment Station, Corps of Engineers
PO Box 631, Vicksburg, Mississippi 39181-0631

DTIC
ELECTE
APR 17 1989
S D α D



January 1989

Final Report

Approved For Public Release; Distribution Unlimited

Prepared for DEPARTMENT OF THE ARMY
US Army Corps of Engineers
Washington, DC 20314-1000

DEPARTMENT OF THE AIR FORCE
US Air Force Engineering and Services Center
Tyndall Air Force Base, Florida 32403-6001

DEPARTMENT OF THE NAVY
Naval Facilities Engineering Command
Alexandria, Virginia 22332-2300

and

THE FEDERAL AVIATION ADMINISTRATION
Washington, DC 20591

89 4 14 010

Destroy this report when no longer needed. Do not return
it to the originator.

The findings in this report are not to be construed as an official
Department of the Army position unless so designated
by other authorized documents.

The contents of this report are not to be used for
advertising, publication, or promotional purposes.
Citation of trade names does not constitute an
official endorsement or approval of the use of
such commercial products.

Unclassified
SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
1a REPORT SECURITY CLASSIFICATION Unclassified			1b RESTRICTIVE MARKINGS		
2a SECURITY CLASSIFICATION AUTHORITY			3 DISTRIBUTION/AVAILABILITY OF REPORT		
2b DECLASSIFICATION/DOWNGRADING SCHEDULE			Approved for public release; distribution; unlimited.		
4 PERFORMING ORGANIZATION REPORT NUMBER(S) Technical Report GL-89-3			5. MONITORING ORGANIZATION REPORT NUMBER(S) ESL-TR-88-52 DOT/FAA/DS-88/03		
6a. NAME OF PERFORMING ORGANIZATION USAEWES Geotechnical Laboratory		6b. OFFICE SYMBOL (if applicable) CEWES-GP	7a. NAME OF MONITORING ORGANIZATION		
6c. ADDRESS (City, State, and ZIP Code) PO Box 631 Vicksburg, MS 39181-0631			7b. ADDRESS (City, State, and ZIP Code) Tyndall AFB, FL 32403-6001 Washington, DC 20591		
8a. NAME OF FUNDING / SPONSORING ORGANIZATION (See reverse)		8b. OFFICE SYMBOL (if applicable) (See reverse)	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER (See reverse)		
8c. ADDRESS (City, State, and ZIP Code) (See reverse)			10. SOURCE OF FUNDING NUMBERS		
			PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.
			WORK UNIT ACCESSION NO.		
11. TITLE (Include Security Classification) Evaluation of Nondestructive Test Equipment for Airfield Pavements; Phase I: Calibration Test Results and Field Data Collection					
12. PERSONAL AUTHOR(S) Ross A. Bentsen, Albert J. Bush III, and J. Andrew Harrison					
13a. TYPE OF REPORT Draft report		13b. TIME COVERED FROM Feb 86 TO Jun 88		14. DATE OF REPORT (Year, Month, Day) January 1989	
15. PAGE COUNT 338					
16. SUPPLEMENTARY NOTATION Available from National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.					
17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)		
FIELD					
GROUP					
SUB-GROUP					
			(See reverse)		
19. ABSTRACT (Continue on reverse if necessary and identify by block number) This study evaluates seven nondestructive testing devices for use on airfield pavements. Four falling weight deflectometers and three vibrators were evaluated for accuracy, repeatability, and reliability. Deflection data were collected on 12 pavements consisting of thick and thin asphalt concrete, portland cement concrete, and composite (asphalt concrete over portland cement concrete) pavements over fine and coarse grain subgrades. This report describes the test program, presents results of accuracy and repeatability tests, and presents the deflection data collected on the 12 pavements. <i>inpu</i>					
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input checked="" type="checkbox"/> UNCLASSIFIED/UNLIMITED <input type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION Unclassified		
22a. NAME OF RESPONSIBLE INDIVIDUAL			22b. TELEPHONE (Include Area Code)		22c. OFFICE SYMBOL

8a. NAME OF FUNDING/SPONSORING ORGANIZATION (Continued).

US Army Corps of Engineers
US Air Force Engineering and Services Center

Naval Facilities Engineering Command
Federal Aviation Administration

8b. OFFICE SYMBOL (Continued).

CEEC-EG Code 04B1
AFESC-RDCP APM-740

8c. ADDRESS (Continued).

Washington, DC 20314-1000
Tyndall AFB, FL 32403-6001

Alexandria, VA 22332-2300
Washington, DC 20591

9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER (Continued).

FAD 8808-42
MIPR Nos. N86-49 and N87-7

Order Nos. N0002587WR06034 and N0002588AF10000
Interagency Agreement No. DTFA01-87-Z-02015

18. SUBJECT TERMS (Continued).

Airfield pavement evaluation
Falling weight deflectometer
Nondestructive testing

Pavement deflection measurements
Vibratory testing equipment

PREFACE

This study was conducted by the Geotechnical Laboratory (GL), US Army Engineer Waterways Experiment Station (WES), during the period February 1986 through June 1988. The investigation was sponsored by the US Air Force Engineering and Services Center under MIPR Nos. N86-49 and N87-7, the Naval Facilities Engineering Command under Order Nos. N0002587WR06034 and N0002588AF10000, the Federal Aviation Administration (FAA) under Interagency Agreement No. DTFA01-87-Z-02015, and the Department of the Army Facilities Investigation Studies Program under FAD 8808-42. The Technical Monitors for this study were Messrs. Charles Bailey for the Air Force, Michael Jones for the Navy, Hisao Tomita for the FAA, and Paige Johnson for the Army.

The study was conducted under the general supervision of Dr. W. F. Marcuson III, Chief, (GL), and Mr. H. H. Ulery, Jr., Chief, Pavement Systems Division (PSD). The study was conducted by Dr. A. J. Bush III and Messrs. D. R. Alexander, R. A. Bentsen, J. A. Harrison, W. P. Grogan, S. J. Alford, P. S. McCaffrey, Jr., and D. D. Mathews, PSD, GL. Drs. Soheil Nazarian of the University of Texas, Austin, Dennis Hiltunen of the University of Michigan, and Mark Anderson of the University of Kentucky, assisted in the nondestructive test data collection. Professors R. E. DeVor, S. G. Kapoor, and U. S. Palekar of the University of Illinois assisted in the design of the experiment. This report was written by Mr. Bentsen, Dr. Bush, and Mr. Harrison. The report was edited by Mrs. Joyce H. Walker, Information Products Division, Information Technology Laboratory.

COL Dwayne G. Lee, EN, is Commander and Director of WES. Dr. Robert W. Whalin is Technical Director.



Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

CONTENTS

	<u>Page</u>
PREFACE.....	1
CONVERSION FACTORS, NON-SI TO SI (METRIC)	
UNITS OF MEASUREMENT.....	3
PART I: INTRODUCTION.....	4
Background.....	4
Purpose and Scope.....	6
PART II: NDT EQUIPMENT EVALUATED.....	7
Kuab Model 50 Falling Weight Deflectometer.....	7
Dynatest Model 8081 Heavy Weight Deflectometer.....	7
Dynalect.....	8
Dynatest Model 8003 FWD.....	8
Road Rater Model 2008.....	9
WES 16-kip Vibrator.....	9
Phonix ML10000 FWD.....	10
PART III: EXPERIMENTAL DESIGN AND DESCRIPTION OF TESTS.....	11
Calibration and Repeatability Experiments.....	11
Field Testing.....	14
PART IV: TEST RESULTS AND DATA ANALYSIS.....	18
Calibration and Repeatability Experiments.....	18
Field Testing.....	22
Direct Pavement Sampling.....	23
PART V: CONCLUSIONS.....	25
REFERENCES.....	26
TABLES 1-27	
FIGURES 1-31	
PHOTOS 1-14	
APPENDIX A: REPLICATE TESTING ORDER.....	A1
APPENDIX B: SHORT-TERM RELIABILITY TEST DATA - PCC PAVEMENT.....	B1
APPENDIX C: SHORT TERM RELIABILITY TEST DATA - AC PAVEMENT.....	C1
APPENDIX D: LONG-TERM RELIABILITY TEST DATA.....	D1
APPENDIX E: REPLICATE TEST DATA.....	E1
APPENDIX F: PERFORMANCE TEST DATA.....	F1
APPENDIX G: REFERENCE POINT TEST DATA.....	G1
APPENDIX H: JOINT TEST DATA.....	H1
APPENDIX I: PAVEMENT TEMPERATURES OF FIELD TESTS.....	I1

CONVERSION FACTORS, NON-SI TO SI (METRIC)
UNITS OF MEASUREMENT

Non-SI units of measurement used in this report can be converted to SI (metric) units as follows:

<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Fahrenheit degrees	5/9	Celsius degrees or Kelvin*
feet	0.3048	metres
inches	2.54	centimetres
kips (force)	4.448222	kilonewtons
pounds (force)	4.448222	newtons
pounds (force) per square inch	6.894757	kilopascals
pounds (mass) per cubic inch	27.6799	grams per cubic centimetre
tons (force)	8.896444	kilonewtons

* To obtain Celsius (C) temperature readings from Fahrenheit (F) readings, use the following formula: $C = (5/9)(F - 32)$. To obtain Kelvin (K) readings, use: $K = (5/9)(F - 32) + 273.15$.

EVALUATION OF NONDESTRUCTIVE TEST EQUIPMENT FOR
AIRFIELD PAVEMENTS

Phase I: Calibration Test Results and
Field Data Collection

PART I: INTRODUCTION

Background

1. During the past 10 to 15 years, much effort has been devoted to the development of nondestructive structural evaluation of pavements; and as a result, several test devices and a number of analytical procedures have been developed. The work has been sponsored by such federal agencies as the Navy, Army, Air Force, Federal Aviation Administration, and Federal Highway Administration, as well as many state Departments of Transportation, Port Authorities, and others. Research has been conducted by federal and state agencies, universities, private research organizations, and consultant engineers. Many reports have been published describing the development and application of the methods.

2. In October 1982 the US Air Force Engineering and Services Center (AFESC) sponsored a study which was conducted by the US Army Engineer Waterways Experiment Station (WES) to compare the results from several non-destructive testing (NDT) methods on selected Air Force airfield pavements (Hall 1987). The purpose of the study was to provide AFESC with an assessment of the nondestructive approach to pavement evaluation so that the Air Force could make sound decisions as to the possible uses and benefits of NDT pavement evaluation schemes.

3. The scope of the project involved comparisons of selected NDT equipment and procedures on representative airfield pavements and a comparison of the NDT results with those obtained from the standard Air Force evaluation procedures based on test pit measurements. WES selected six leading firms with demonstrated NDT capabilities. These firms represented the state of the art in terms of commercial NDT equipment and available analytical evaluation methods. In addition, WES demonstrated three NDT schemes that it had developed, and AFESC demonstrated its NDT evaluation method. The field

demonstrations were conducted on five selected test areas at MacDill Air Force Base (AFB), Tampa, FL, during October and November 1982. The test areas at MacDill AFB had each been evaluated in March 1980 by test pit measurements in each of the five test areas. Each participant made an evaluation of the test areas and independently submitted a report to WES. Allowable gross aircraft loadings were computed for each test area for the 13 aircraft groups and 4 pass intensity levels as given in Air Force Regulation AFR 93-5 (Headquarters, Department of the Air Force 1981). Also, overlay thickness requirements were determined for the KC10A (DC-10-30) aircraft at a total of 1,000 passes and for the E4 (B-747) aircraft at 10,000 passes. The report on the project contains results presented by each of the participants and makes comparisons with the standard Air Force evaluation procedure based on test pit measurements.

4. The five test areas selected at MacDill AFB consisted of a 20-in. portland cement concrete (PCC), a 10.5-in. PCC, and 11-in. asphalt concrete (AC) with an 8-in. limerock base; a 5.5-in. AC with an 8-in. limerock base; and a composite of 7.5-in. AC over 6-in. PCC.

5. The MacDill study compared evaluation procedures selected by each of the participants. Nondestructive testing, although confined to the identified test area, was conducted at locations selected by the participant. The subgrade material was sand which exhibits little stress dependency. Since destructive tests were conducted 2 years prior to the NDT, laboratory resilient modulus test results were not available for comparison with modulus values predicted from the NDT results. Results of the NDT testing were analyzed by each participant using a method selected by the participant.

6. From the MacDill study, it was recommended that the comparison should be repeated at other sites to produce more conclusive results (Hall 1987). These sites should cover more typical pavements over fine-grained soils (clays and silts), test pit data should be collected concurrently with the NDT data, and the pavements should be of such design that a range of allowable loads and overlay thicknesses would be anticipated so that a better comparison of results could be made. A set of test areas that require rehabilitation for common aircraft loads was also identified as a requirement. A standard evaluation procedure was also recommended.

* A table of factors for converting non-SI units of measurement to SI (metric) units is presented on page 3.

7. The Navy, Air Force, Army, and Federal Aviation Administration are in various stages of implementing a layered elastic design/evaluation procedure for airfield pavements. NDT offers a useful method for determining the modulus values for input into the design/evaluation. To specify the equipment requirements and also compare the results with conventional design/evaluation procedures, a field verification is required.

Purpose and Scope

8. The purpose of this study is to determine applicability of various NDT equipment and analytical methods to the structural evaluation of airfield pavements. The scope of work covers all existing NDT equipment (representative types) used for airfield testing and includes a comparison of predicted moduli from the various devices and the predicted performance using these moduli for airfield pavements representing existing airfield pavement conditions in terms of pavement types and thicknesses, soil types and strengths, environmental conditions and effects, and pavement surface conditions and distress types. Pavements will be evaluated using current flexible (California Bearing Ratio (CBR)) and rigid (Westergaard edge stress) design methods for comparison with the results from the NDT devices using layered elastic theory.

9. This study will be reported in two phases. The first phase, reported herein, will discuss the equipment evaluated and the experimental design used in the evaluation. The results of the deflection tests and field in-place tests on the pavements will be presented. Also, the results of calibration and repeatability tests will be presented. In the second phase, moduli will be calculated for all of the pavement layers using the data from each device. These data will be compared with laboratory resilient modulus results from the pavement materials. The backcalculated moduli obtained through each device will be used in an elastic layer pavement evaluation program, AIRPAVE, to compute and compare allowable gross loads. Based on these results, recommendations will be presented for use of the NDT devices on airfield pavements.

PART II: NDT EQUIPMENT EVALUATED

10. Seven different NDT devices are evaluated in this report. Three of the devices impart vibratory loads to the pavement, while four devices are impulse or falling weight loading devices. The devices and specific characteristics of each are given in Table 1. Detailed descriptions of each device are given in the following paragraphs.

Kuab Model 50 Falling Weight Deflectometer (FWD)

11. The Kuab FWD (Photos 1 and 2) is a trailer-mounted impulse loading device that produces its load using a unique two-mass system in which a falling weight is dropped onto a buffered second weight to produce pavement deflections. The load is transmitted to the pavement by a 11.8-in.-diam plate that is segmented into quarters and cushioned with a corrugated rubber pad. The model tested has a force range of 2,600 to 14,000 lb. The testing system is powered by batteries on the trailer which are charged by a separate alternator on the towing vehicle. Deflections are determined using seven seismometers which are located at fixed locations away from the loading plate. The Kuab FWD that was tested in this study is able to perform plate loadings at distances up to 28 in. below the pavement surface and is equipped with a coring rig, but neither of these features was used or evaluated in this report.

12. Pavement loadings can be produced at four adjustable drop levels. There is no limitation to the sequence or number of drops that can be run at a given location. Load and deflection data are produced with each drop and recorded with a MS-DOS® system computer. The computer produces a paper copy as the data are collected and can also store the information to magnetic tape.

Dynatest Model 8081 Heavy Weight Deflectometer (HWD)

13. The Dynatest 8081 HWD is a trailer-mounted device capable of producing impulse loads from 8,000 to 55,000 lb (Photos 3 and 4). The single-pulse transient load is generated by a weight dropping on rubber pads which transmits the force to the pavement through either a 11.8- or 17.7-in.-diam steel plate cushioned with a thin rubber pad. The testing system is powered by batteries on the trailer which are charged by a heavy-duty alternator on

the towing vehicle. Deflections are determined using seven geophones that are typically placed 1 ft apart starting at the center of the load plate, but the outer six can be varied from 12 to 96 in. away from the plate.

14. The falling weight system is controlled by an MS-DOS® system computer and can produce up to five loadings selected from any combination of four adjustable drop heights. Load and deflection data are recorded on paper with each loading and can be automatically saved to a magnetic disk.

Dynaflect

15. The Dynaflect (Photos 5 and 6) is a trailer-mounted electromechanical system for measuring the dynamic deflection of a pavement. Pavement deflection is produced by the counterrotation of two eccentrically loaded masses rotating at a fixed frequency of 8 Hz. A 1,000-lb, peak-to-peak sinusoidal load is transmitted to the pavement by two 4-in.-wide, 16-in.-outside-diam polyurethane-coated steel wheels spaced 20 in. apart.

16. Once a steady-state loading condition has been achieved, the Dynaflect produces continuous sinusoidal pavement deflection and can be towed at low speeds along the pavement. Pavement deflections at a test point are determined using five geophones that are aligned between the two wheels and lowered when deflection measurements are desired. One geophone is placed directly between the wheels, and the others are spaced at 1-ft intervals away from the loading wheels. Deflections are displayed on visual readouts by the electronic control system and can be produced on paper by the companion printer.

Dynatest Model 8003 FWD

17. The Dynatest Model 8003 FWD is a trailer-mounted, impulse load device that can produce a load between 1,500 and 25,000 lb (Photos 7 and 8). The single-pulse transient load is generated by a weight dropping on rubber pads which transmit the force to the pavement through a 11.8-in.-diam steel or dense rubber plate cushioned with a thin rubber pad. The testing system is powered by batteries on the trailer which are charged by a heavy-duty alternator on the towing vehicle. Deflections are determined using seven geophones that are typically placed 1 ft apart from the center of the load, but the outer six can be varied from 12 to 96 in. away from the plate.

18. The falling weight system is controlled by a Hewlett-Packard Integral Personal Computer and can produce up to five loadings selected from any combination of four adjustable drop heights. Load and deflection data are recorded on paper with each loading and can be automatically saved to a magnetic disk.

Road Rater Model 2008

19. The Road Rater Model 2008 (Photos 9 and 10) is an electrohydraulic vibratory loading system with an 8,000-lb reaction mass. The system is trailer-mounted and has a self-contained power supply that supports the electronic and hydraulic systems. The vibratory load can be adjusted up to 7,000-lb peak-to-peak over a frequency range from 5 to 100 Hz and operates at a standard frequency of 20 Hz. The load is transmitted to the pavement through an 18-in.-diam steel plate and is monitored by three load cells mounted on the plate.

20. Four geophones are used to determine deflection, with one measuring at the center of the plate and three at radial distances away from the plate. The deflection, load, and frequency data are recorded on a digital printer contained in the system controller box.

WES 16-kip Vibrator

21. The WES 16-kip vibrator (Photos 11 and 12) is an electrohydraulic vibratory loading system with a 16,000-lb reaction mass. The system is contained in a 36-ft semitrailer along with supporting power supplies and automatic data recording equipment. The vibratory load can be varied up to 30,000-lb peak-to-peak over a frequency range of 5 to 100 Hz. The standard test frequency is 15 Hz, and the load is transmitted to the pavement through an 18-in.-diam steel plate and measured by three load cells mounted to the plate. Up to five velocity transducers located at the plate and at points away from the plate are calibrated to determine deflections.

22. The load and deflection results are recorded on an x-y plotter and a digital printer. The x-y plotter records load versus the deflection of the velocity transducer on the plate as the vibratory load is increased from zero to maximum. The plot is used to calculate the dynamic stiffness modulus (DSM) which is the slope (load/deflection) of the plot between 10 and 14 kips.

Deflection results from all the sensors can be printed at any time as the load is swept from zero to the maximum of 30,000 lb.

Phonix ML10000 FWD

23. The Phonix FWD (Photos 13 and 14) is a trailer-mounted device that can impart a dynamic impulse load of between 2,300 and 23,000 lb to the pavement surface. The load is produced by mechanically raising a circular mass to one of five set drop heights and then dropped onto rubber pads that transmit the force to a padded 11.8-in-diam steel plate. The entire testing system operates from two 12-v batteries which are contained in the trailer which in turn are charged by a small generator. Deflections are determined using six geophones, five of which can be adjusted to any position from 8.3 to 58 in. from the loading plate.

24. Data produced by the Phonix FWD are recorded by an MS-DOS® system computer. The Phonix FWD is set up to produce three drops from the chosen height. The deflection of each sensor is recorded from each drop height; the load is recorded only on the third drop. The load and deflection data from the third drop are automatically recorded to magnetic media by the computer.

PART III: EXPERIMENTAL DESIGN AND DESCRIPTION OF TESTS

25. Two different phases of tests were performed in this study. First, calibration and repeatability experiments were performed to analyze the ability of each device to perform NDT consistently and reliably. All of these experiments were conducted over a 3-day period at WES. Then tests were performed at five different airfields for the collection of NDT and in situ pavement strength data. The NDT data were collected in a 2-week period immediately following the conclusion of the experiments performed at WES, while the in situ pavement strength tests were performed at each site following the completion of the NDT field tests. The field data will be used to determine the ability of each device to measure pavement properties for use in pavement evaluations on typical airfield pavements with different design capacities and subgrade conditions. The analysis of the calibration and repeatability experiments will be presented in this report; only the raw data will be presented from the field tests. The field data analysis will be presented in the Phase 2 report of this study.

Calibration and Repeatability Experiments

26. Five different experiments were performed with each device; and the data from these tests were used to analyze the short- and long-term repeatability, the loading output, and the deflection output of the devices. The analysis will determine the ability of each machine to produce consistent and correct loading and deflection output (data availability).

Short-term repeatability

27. The experiment used to analyze the short-term repeatability of each machine involved having each device perform 25 tests at one test location in as short a period of time as the device would allow. The tests were performed at maximum load except for the Dynatest HWD which due to a relatively low strength would have overranged its deflection sensors in this experiment at maximum load. Each device performed this experiment on an AC and on a PCC pavement. The vibratory devices and the Kuab FWD all performed the tests in one test sequence without lifting the loading plate. The Dynatest FWD and Dynatest HWD performed the tests in five series of five drops each. The

Phonix FWD performed the tests in 25 series of three drops each with the recorded test data being the last drop of each series.

Long-term repeatability test

28. This experiment was used to test the ability of each machine to get a consistent output over a period of 3 days at one test location on a specific PCC slab that was isolated from environmental effects. Each device performed a test on the slab at varied load levels, and then the system powering the NDT equipment was turned off and on between two additional repeats of the loading series at that same location. The repeat series was replicated three times by each device at random times over the 3-day testing period. The approximate force levels of the loading series for each device are given in Table 2.

Load recording accuracy

29. The purpose of this test was to compare the loading output of each device with the output of calibrated load cells placed directly beneath the load plate or load wheels of each device. Plate load measurement was achieved by concentrically bolting three 20,000-lb capacity BLH load cells between two circular steel plates. This apparatus was leveled on a thin layer of sand on a PCC pavement, and each device produced its loading on top of the leveled steel plates. The Dynaflect loading was measured on the same PCC pavement by placing a load cell beneath each of the two wheels that produces its loading. The signal from the load cells was collected on a Hewlett-Packard 3562A Dynamic Signal Analyzer.

Deflection gage accuracy

30. Two experiments were conducted to make comparative measurements of the data measured by the deflection sensors of each device.

31. The surface deflection test involved placing a calibrated geophone directly adjacent to a device sensor and comparing the deflection data of the sensors produced by the same loading event. This experiment was conducted at a range of loads with all the sensors of all of the devices except for sensors that were located at a loading plate. The experiment was conducted on a flexible pavement to get a larger range of deflection for the sensors, and the geophone was attached securely to the pavement with modeling clay to ensure accurate data collection.

32. The in-pavement deflection test involved comparing the output of the device sensors with the output of a linearly variable differential transformer (LVDT) placed in a PCC slab (Figure 1). The LVDT apparatus measures

against a reference rod that extends 6 ft beneath the pavement surface inside of a polyvinyl chloride (PVC) casing to deter friction and prevent collapse of the soil wall on the rod. The end of the rod is backfilled to prevent its movement, and surface measurements are made in relation to the rod. Relatively large movements were expected at the end of the reference rod so a geophone was secured to the end of the rod to record its movement. The device sensor was then centered on the rigid protective cap of the LVDT for measurement comparison from the same loading event. The output from both the LVDT and the geophone was added and compared with the device output. This experiment compared the output from the sensor located at the load and from sensors approximately 2 and 4 ft away from the load.

33. The data from this experiment were very inconsistent. As given in Table 3, the data from some devices showed good correlation for all sensors tested. One device showed all of the LVDT/geophone deflections to be greater than the device deflections, while data from other devices ranged from good correlation for one sensor to 50 percent higher for another sensor and 50 percent lower for yet another sensor. Some of the geophone data did not have the pulse in the deflection curve that is characteristic of falling weight devices when the loading was produced directly on top of the LVDT. The failure of these data to produce any meaningful conclusions led to its omission from any further consideration in this report.

34. The data from the geophones in both of these experiments were collected with a Hewlett-Packard Model HP3562A dynamic signal, or spectral analyzer. The procedure used to determine the maximum deflections from this data is discussed by Nazarian (1987). A summary of the steps involved in the data reduction, which is covered in depth by Nazarian (1987), is given here.

- a. The voltage-time output history of the surface of the pavement, or the base of the rod, the "raw" velocity-time, is captured in the field with a geophone.
- b. The "raw" velocity-time history is Fourier transformed to obtain the "raw" velocity spectrum.
- c. The calibration curve of the geophone (both magnitude and phase) is obtained using a shake table.
- d. The "raw" velocity spectrum is divided by the calibration curve to obtain the "actual" velocity spectrum.
- e. The "actual" velocity spectrum is inverse-Fourier transformed to determine the "actual" velocity-time history.

- f. The "actual" velocity-time history is integrated to obtain displacement-time history.

35. Digital equipment such as a spectral analyzer is very useful and convenient for capturing and analyzing deflection data rapidly. One limitation of the digital equipment capable of performing Fast Fourier Transform (FFT) is that if one captures the data with a good resolution in the time domain, one should not expect a good resolution in the digitized data after the FFT operation. To overcome this problem, the data were captured in the field with high resolution in the time domain. However, before transforming the data into the frequency domain, every eighth data point was picked out, and the other seven points were ignored. In this manner, the resolution in the frequency domain was increased eightfold. This operation should be performed carefully though because of the possibility of undesirable frequency- or time-aliasing during data reduction.

36. Utilization of this method to calculate deflections from the calibrated geophones does not imply that this method is superior to others. However, based on past experience, this method yields deflections with an accuracy of 5 percent or 0.1 mils, whichever is greater. Sources of inaccuracy include background noise, very small round-off errors due to use of microcomputers and data digitization, and receiver placement.

Field Testing

37. The field testing was performed on an array of airfield pavements. The pavement array is designed to include the three types of pavement surfaces--rigid, flexible, and composite; two relative strengths of pavements--thick and thin; and two types of subgrade--fine grained and coarse grained. Combining each pavement type, strength, and subgrade type yielded an array which totaled 12 test sites. Five airfields were selected for this phase of testing. The airfields and the pavement types are given by site in Table 4 and are shown in the pavement array in Figure 2. A condition survey was performed at each site, and the pavement condition index (PCI) and the more prevalent distresses are given in Table 5.

38. NDT was performed to determine the effects of pavement type, thickness, and subgrade type on the deflections from each machine. To compare deflections between machines, the force outputs of each device were selected to maximize the number of devices operating at the same load level. In

addition, each device also operated at its maximum load level. These selected force outputs were called target loads. Direct pavement sampling tests were conducted to characterize the in situ conditions of each site for comparison with the backcalculation data that will be covered in the second report of the study. The NDT and direct pavement sampling that are described were performed at each test site.

Nondestructive testing

39. Replicate tests. This purpose of these tests was to study the effects of the three variables in the pavement array on the data produced by all the machines as well as study the effect of load variation within the abilities of each device over the pavement array. To ensure that these effects could be identified, as many external noise variables as possible were minimized. To minimize the variation due to change in thickness or material properties from one point to another, these tests were performed on one point at each pavement site. This test point was designated the reference point at each test site. The effects of temperature were minimized by performing the replicate tests either in the early morning or in midafternoon when the pavement temperature would be fairly constant. The loading applied by the devices was blocked. All loads 15,000 lb and below were conducted in Block 1 tests, while the loads higher than 15,000 lb were conducted in Block 2 tests. Block 1 tests were conducted first at each pavement site to eliminate any effects that may have been caused by consolidation of the pavement layers under the heavier loads. There are 19 device/load combinations in Block 1 and four in Block 2. The devices and their respective target loads in each block are shown in Table 6. The Dynatest HWD utilized the 11.8-in.-diam loading plate for the Block 1 tests and the 17.7-in.-diam loading plate for the Block 2 tests.

40. All of the Blocks 1 and 2 tests were replicated three times at each pavement site. The order of testing for each replicate was randomized. Each replicate test consisted of bringing a device over the reference point and conducting three tests at the specified load. Therefore, for a given device and load, there were nine deflection basins collected. The 19 load/device combinations in Block 1 yielded 171 deflection basins at each site. Thirty-six deflection basins were collected for each site in Block 2 testing. The order of testing for the replicate tests at each site are given in Appendix A. Each device was assigned a number. These numbers are consistent throughout

the field data when the device type is indicated in numerical form. The numbers and their corresponding devices are:

<u>Number</u>	<u>Device</u>
1	Kuab FWD
2	Dynatest HWD
3	Dynaflect
4	Dynatest FWD
5	Road Rater
6	WES 16-kip
7	Phonix FWD

41. Performance tests. The performance test phase involved setting up each device for load levels that would be typically used to collect data for use in pavement evaluation, and then have each device perform 16 tests laid out on the test site. These tests were laid out on each site in a manner that is typical of pavement evaluation but were spaced close enough together to minimize pavement variation. The tests on the PCC sites also involved joint testing. Typical test layouts are shown in Figure 3. Each test point was painted on the pavement using a 6-in.-diam circular stencil, and each device was required to cover the circle with its test plate to perform the test. In the case of the Dynaflect, the circle was required to be aligned between the two loading wheels. A person not involved in the operation of the device aligned the devices on the test point. The test points for the composite sites were located in the center of the underlying slab when its location could be determined from joint reflection cracking. However, Sites 6 and 8 did not exhibit any joint reflection cracking, and the location of the joints in relation to the test points is not known.

42. The target loads at which each device operated for these tests are given in Table 7. In addition to the load and deflection data that were collected at each site, testing times for each device during the performance testing were recorded. A 17.7-in.-diam loading plate was used on the Dynatest HWD for these tests.

43. The performance of these tests typically took between 4 and 8 hr at each test site so surface course pavement temperatures were monitored to determine any temperature changes that took place. The surface thickness of each site was determined, and the temperature at the midpoint and at 1 in. from both the top and bottom of the surface was monitored at 15-min intervals. When the mean pavement temperature, determined by averaging the three

temperature readings, varied by more than 5° F, each device performed five tests on the reference point at its maximum load level. These tests will be used to determine what effects temperature had on test measurements that were performed throughout the day. One referenced point test was performed at both the beginning and the end of the performance testing; and, typically, one reference point test was required sometime during the middle of the testing period.

44. Joint tests were performed on each of the PCC pavements. These tests were conducted by placing the loading apparatus of a device on one side of the joint and centering the joint between loading apparatus and the first deflection sensor. Transverse joint and slab corner tests were performed on all of the PCC sites, and longitudinal joint tests were performed at all sites except for Site 3 which was a 75-ft wide taxiway and did not allow for the vehicle movement required to perform these tests.

Direct material sampling

45. The tests in the direct material sampling investigation were performed after the NDT tests in a test pit that was approximately 4 ft square and located directly beneath the NDT reference point at each site. In-place testing was performed on each layer, and then an undisturbed sample was extracted from the subgrade at each test location.

46. The in-place testing at the flexible pavement test sites consisted of determining the CBR, water content, and density of each pavement layer. Drop cone penetrometer (DCP) data were collected prior to CBR tests to a depth of 4 ft below the surface of the subgrade. If a weak layer was noted within a depth of 2 to 3 ft below the surface of the subgrade during the DCP testing, then CBR, water content, and density testing were also performed on that layer. Six bag samples were collected on all granular layers. Three bag samples were collected on the subgrade material (maximum size less than 3/4 in.). Samples of the AC surfaces were retained for resilient modulus testing and mix analysis.

47. For the PCC and composite pavement tests sites, plate bearing tests were conducted directly beneath the PCC slab. Density and water content were determined on each layer. DCP data were collected to a depth of 4 ft below the bottom of the slab. Six bag samples were collected on the granular material. Sufficient slab pieces were extracted to produce three beam samples for flexural testing.

PART IV: TEST RESULTS AND DATA ANALYSIS

Calibration and Repeatability Experiments

Short-term repeatability

48. The analysis of the data for each device and both pavement types included determining coefficient of variation (COV) of each deflection sensor over all 25 tests, determining the variation in deflection and load over the 25 tests, and making notations on any significant changes or anomalies in the test data. The deflection data were normalized to a constant load for the analysis. The data from this experiment are presented in Appendixes B and C.

49. The deflections of the first sensor for each test from each of the devices on the AC and PCC pavements are illustrated in Figure 4. Note that for ease of illustration in this figure the deflection data for the Dynaflect was multiplied by 15. Each first drop of the five-drop series for the Dynatest FWD on PCC showed consistently lower deflection than did the other four drops. The deflection difference in the averages of the 5 first-drop readings and the other 20 readings was 11.2 percent. The 20 consistent readings had a COV of 0.39 percent. The Dynatest HWD exhibited this same phenomenon on the AC pavement on three of the five series of drops. Those 3 deflections varied 9.4 percent from the other 22 deflections which had a COV of 1.08 percent. This may be an indication that the seating load for both of these devices is not high enough to settle the plate onto the pavement surface. However, this phenomenon was not exhibited on the other pavement surface by either of the Dynatest devices.

50. As the Dynatest FWD tests on AC in this experiment progressed, the deflections increased; and, in particular, the second drop of each five-drop series showed consistently higher deflection, and the second drop of the last series of five tests overranged the sensor which is rated up to 80 mils. A plot of the next four sensors away from the plate of the Dynatest FWD does not show this higher deflection on the second drop of the series but, in fact, shows slightly higher deflection on the first drop of the series. Note that, except for the last series, when the deflection sensor was overranged, none of these deflection readings varied by more than 3 percent from the other readings. This variation is considered within the sensitivity of the sensors.

51. The Kuab FWD exhibited a higher deflection and corresponding lower stiffness value on the first drop of its 25-drop sequence on the asphalt surface. This is the same phenomenon exhibited by the Dynatest devices, noting that the Kuab FWD did not raise the plate during its operation for this test. The Phonix FWD displayed a higher load for its first recorded test; however, this is not a function of the seating load. Recall that the Phonix FWD only records the load on the third drop of its required three-drop test and then raises the plate before another test is performed.

52. The scale of Figure 4 flattens out the data, but the Road Rater had three distinct "measuring periods" in its deflection data on the asphalt pavement. During each of these measuring periods, the deflection of the sensor at the plate would consistently decrease to between 12 and 20 percent below the initial deflection in the period, then rise up to the approximate level found beginning of the period, and then drop again to about the same level. The shift was also noticed in the other sensors, but the trend was less apparent as the distance from the load increased. A consistent, constant drop over the data might be expected with a vibratory device on AC pavement (as was evident with the WES 16-kip), but the large drops noticed in the data are suspect.

53. The COV of deflection for each of the device sensors on each of the pavement types is shown in Figure 5. The variations of the first drops of the Dynatest devices are reflected in this figure. Notice that, except for the Road Rater on the asphalt pavement, all of the devices showed an increase in COV of deflection as the sensors distance from the plate increased, which is to be expected. The Road Rater on the AC section shows a dramatic increase in COV of deflection of the sensors close to and at the loading plate. The Road Rater also showed the highest COV of deflection on the PCC pavement. The COV of deflection for the Road Rater on the PCC ranged from 3.2 to 7.4 percent depending on the sensor, while the other devices ranged from only 0.3 to 2.6 percent. The high COV for the last sensor of the Phonix FWD on the AC was due to high reading on one test.

Long-term repeatability

54. Analysis of the data began by grouping the data for each device according to the specific loadings produced by that device and ordering them by both the repeat of the test and replicate of the test. The COV of deflection for each specific loading over the repeats within each replicate was

calculated to help determine the long-term precision of the devices. The data from this experiment are presented in Appendix D.

55. The Dynatest FWD tests at the 8-kip loading for the entire second replicate recorded higher deflections at the second sensor than at the first sensor. The range of the deflections of these two sensors for all of the on-off repeatability tests at the 8-kip loading was from 2.40 to 2.68 mils. There were no other inconsistencies of deflection readings for the Dynatest FWD in this experiment.

56. The Kuab FWD COV of deflection of a sensor over any replicate averaged 2.9 percent. However, as illustrated in Figure 6, when the magnitude of deflection decreased to less than 2.5 mils, the COV of deflection significantly increased as the deflection decreased. The problems this could cause was evident in measurements made by the third and fourth sensors. Every test performed at 10 kips or less resulted in the fourth sensor measuring greater than the third sensor. The deflection of those sensors at those load levels ranged from 0.85 to 2.45 mils.

57. The Dynaflect COV of deflection of a sensor over any replicate, illustrated in Figure 7, ranged from 1.8 to 9.6 percent. The Dynaflect's average deflection of a replicate varied from 0.19 to 0.29 mils. The Road Rater COV of deflection shown in Figure 8 generally varied from 2 to 5 percent and did not show an increase COV as deflection decreased. The other devices' data, shown in Figures 9 to 12 showed no COV of deflection for a sensor over a repeat of greater than 5.0 percent. However, none of the other devices had deflection values that ranged as low as the Kuab FWD. A larger data set with lower deflection values would allow for broader comparisons of deflection accuracy.

58. The average stiffness (load divided by deflection at the load) for each device at a given load level is shown in Figure 13. The stiffness measured by the Kuab FWD increased with increasing load, and the average stiffness at 14 kips was 12 and 15 percent higher than at 5 kips and 7 kips, respectively. The stiffness measured by the Dynatest HWD decreased with increasing load. Also, the Dynatest HWD's seating load did not appear to settle the loading plate enough to give consistent readings between the first drop of a series and the rest of the testing sequence. The stiffness of the first drop produced a stiffness 5.5 percent higher than the second drop with the deflection of the sensor at the plate often lower than the sensor 1 ft

away from the plate. As shown in Table 2, the first two drops were performed at 16 kips. Disregarding the first drop, the mean stiffness of the Dynatest HWD was about 2 percent lower at each successively higher load level.

Load recording accuracy

59. A comparison of the output of the load cell and each device is given in Table 8. The calculation of the Dynaflect is made assuming that the output of each loading wheel is 500 lb. The recorded load is that determined from the load cell apparatus. The device load is that given by its recording system. The percent difference is the absolute value of the difference in the load values in relation to the recorded load. These values are shown graphically in Figure 14. The Dynaflect data are not shown in Figure 14 due to their size in relation to the other values. The recorded load data show that the Dynaflect wheels were not applying the same load. The Dynaflect operator did not indicate that his device was working improperly. The calculation of the percent difference for the Phonix FWD is made using the output from its third drop compared with all of the drops on the load cell. The load is only calculated on the third drop of the Phonix.

60. Each of the devices discussed in this paper imparts a load to the pavement in a unique way. The vibratory device loadings are applied in a sinusoidal wave at a frequency dependent upon the machine. Typical waveform plots for each of the vibratory devices are shown in Figure 15. The falling weight devices apply impulse loads, and each device applies the load in a slightly different manner. One way to characterize the impulse loading is the loading or pulse time, which is the time span in which the load pulse goes from rest to peak load and to rest again. The loading times for falling weight devices were determined on the analyzer from the load cell data and are shown below. The result shows that the Kuab FWD has a loading time of about two times greater than the other devices. The two-mass loading system and the softer padding underneath the loading plate are two possible factors contributing to the longer loading time. Plots of a typical pulse loading for each of the falling weight devices are shown in Figure 16.

<u>Device</u>	<u>Loading Time (msec)</u>
Kuab FWD	79.8
Dynatest HWD	28.1
Dynatest FWD	30.4
Phonix FWD	40.7

Deflection gage accuracy

61. The comparison data collected in the surface deflection experiment are summarized in Table 9. The "calculated" deflection is the deflection that was determined from the geophone data. The "reported" deflection is that which was reported by the given device using the standard procedure for data collection of that device. The percent difference is the comparison of the two deflections in relation to the "calculated" deflection. Some instances are reported where the data comparison is within the accuracy of the data reduction method or the data from the signal analyzer were ignored due to overranging.

62. The averages of the absolute value of the percent difference of deflection are shown in Figure 17. The Dynaflect is not shown in this figure because all of the deflection values are considered within the accuracy of the test. It can be seen that for most devices the reported and calculated differences are within 10 percent. Table 9 shows that except for two cases the calculated deflection was greater than the reported deflection. A point to consider is that, in the case of the falling weight devices, support racks did not allow for the placement of the geophone immediately adjacent to the device sensor. This may contribute slightly to the difference between the calculated and reported deflections.

Field Testing

Nondestructive testing

63. The results of the NDT performed at each of the test sites are given as appendixes to this report. The replicate test results are presented in Appendix E. The performance testing results are presented in Appendix F. The corresponding reference point test results are presented in Appendix G. The joint tests on the PCC sites are presented in Appendix H. The in-pavement temperature data recorded at each site are presented in Appendix I. The analysis of these test data will be presented in the Phase II report of this study. All of the data presented in the appendixes of this report is obtainable from the authors on magnetic media.

Device testing times

64. The time required to accomplish each of the production tests at each site was recorded by each device operator and by personnel not operating

the device. The person recording the time was also guiding the operator to ensure that each device tested on the same test point so these times are more a function of the operating speed of the machine than they are times required to complete evaluation testing.

65. The average time per test location is shown in Figure 18. The number above each bar is the number of drops or test results obtained by each device. Note that the Phonix has the longest time per test, and it also has the largest number of drops. However, the load data are only recorded on the third drop of the Phonix's three-drop series so that only two test results are actually collected. The Dynaflect has the lowest time per test, but it only collects one test result per test. The average time per drop is illustrated in Figure 19.

Direct Material Sampling

CBR tests

66. CBR tests were conducted beneath the asphalt surface pavements in accordance with MIL-STD-621A, Method 101 (Headquarters, Department of Defense 1964). CBR is a measure of the soil resistance to penetration of a 3-sq in. piston expressed as a percent of a standard. The standard is 0.1-in. penetration at 1,000 psi or 0.2-in. penetration at 1,500 psi. CBR tests are used to determine relative soil strengths. Tests were performed on each layer of the foundation below the asphalt surface. CBR's were also determined below the undisturbed sample that was extracted from the subgrade. CBR data for the asphalt surface sites are shown in Table 10.

DCP tests

67. The DCP provides a measurement of material resistance to penetration in terms of inches per blow. A direct correlation between DCP and CBR has been developed (Livneh and Ishai 1987), thus allowing CBR's to be calculated for each pavement layer. The equation for the correlation is

$$\log \text{CBR} = 2.20 - 0.71 (\log \text{DCP})^{1.5}$$

where DCP is the penetration in millimeters per blow. For this study DCP tests were conducted on the pavement material at each test pit location. The DCP field data are shown in Tables 11-22. Using the field data, several plots

were made for each site location. The plots were analyzed to determine the DCP data to be used in calculating CBR values using the equation. The plots used were determined by choosing the test that most represented the average of all the tests taken at that location. The DCP test results and their respective CBR values for the designated layers are shown in Figures 20-31.

Moisture and density tests

68. At each site location, moisture content and density tests were conducted on each layer of foundation material. Densities were determined with the nuclear gage on the granular materials and with drive cylinders of known volume on the fine-grained soils. Moisture contents were taken on all layers using the oven-dry sample methods MIL-STD-621A, Method 105 (Headquarters, Department of Defense 1964). Results of the moisture and density tests are shown in Table 23.

Plate bearing tests

69. Thirty inch diameter plate bearing tests were conducted on the surface of the layer beneath the slab at the PCC and composite pavement sites. A 40-ft-long flatbed trailer spanned the gap left by removing the 4- by 4-ft PCC surface. This trailer was loaded with 1-ton lead blocks against which the hydraulic ram would react to apply the necessary force to the 30-in.-diam plate used in testing the subgrade. The plate bearing tests were conducted in accordance with MIL-STD-621A, Method 104 (Headquarters, Department of Defense 1964). Plate bearing test results are given in Table 24.

Laboratory testing

70. Asphalt surface samples were brought back to WES to extract cores for resilient modulus testing and for penetration testing of the asphalt cement. The results from these tests will be presented in the Phase II report. Sufficient PCC surface samples were brought back to WES to produce three beams for flexural strength testing using ASTM C-78-84. The results from these tests are shown in Table 25. Note that the length of the PCC beams often allowed for more than one flexural straight test per beam. The Young's modulus of elasticity (Dynamic E) was determined using ASTM C-215-85. Bulk samples of the layers below the surface were collected and tested to determine the soil classification using the Unified Soil Classification System. The results of these tests are shown in Table 26. Resilient modulus tests will be conducted on all base and subgrade materials and the results presented in the Phase II report.

PART V: CONCLUSIONS

71. Overall, each of the devices is capable of providing nondestructive pavement test data consistently and reliably. Table 27 presents data indicating the load recording and deflection sensor accuracy, as well as the precision of each device's deflection sensors. As with any type of test equipment, no output should be considered error free, and care should be exercised when using the data for pavement evaluation processes such as allowable load and overlay computation and layer modulus backcalculation. These conclusions were drawn from the data produced for this report.

72. The data from the long-term repeatability tests indicate that the deflection readings of the Kuab FWD sensors begin to vary increasingly when their magnitude falls below 2.5 mils. Pavement tests with the Kuab FWD that do not produce deflection readings above 2.5 mils should be examined carefully to ensure data integrity. The Dynaflect data from this test also showed high variability; the Dynaflect deflection values ranged from 0.19 to 0.29 mils.

73. The Road Rater deflection sensors exhibited much higher general variability than did the sensors of the other devices.

74. When using a falling weight device, caution must be exercised when considering the use of the first loading deflection readings as accurate data. The first loading may not produce data that is representative of the true characteristics of the reaction of the pavement under the impact load, and additional readings must be taken to ensure adequate characterization of the pavement system.

75. The Dynaflect load output compared poorly to the loads measured with load cells.

REFERENCES

- Hall, J. W. 1987. "Comparative Study of Nondestructive Pavement Testing, MacDill Air Force Base, Florida," Technical Report GL-87-15, Vicksburg, MS.
- Headquarters, Department of Defense. 1964. "Test Method for Pavement Subgrade, Subbase, and Base-Course Materials," Military Standard MIL-STD-621A, Washington, DC.
- Headquarters, Department of the Air Force. 1981. "Airfield Pavement Evaluation Program," Air Force Regulation AFR 93-5, Washington, DC.
- Livneh, M. and Ishai, I. 1987. "Pavement and Material Evaluation by a Dynamic Cone Penetrometer," Proceedings, Sixth International Conference, Structural Design of Asphalt Pavements, University of Michigan, Ann Arbor, MI.
- Nazarian, S. 1987. "Calibration Process for Determination of Surface Deflections of Pavement Systems Using Velocity Transducers," Research Report GR87-2, Geotechnical Engineering Center, University of Texas at Austin.

Table 1
Nondestructive Testing Device Characteristics

Device Name	Dynamic Force Range lbf	Load Transmitted by	Number and		
			Type of Deflection Sensors	Deflection Sensor Spacing	Sensor Spacing for These Tests, in.
Kuab FWD*	3,000 to 15,000	Sectionalized circular plate 11.8-in. diam	7 Seismometers	Fixed 8 to 48 in.	0, 8, 12, 18, 24 36, 48
Dynatest HWD**	10,000 to 55,000	Circular plate 11.8-in. or 17.7-in. diam	7 Geophones	Variable 12 to 96 in.	0, 12, 24, 36, 48 60, 72
Dynalect	1,000 peak to peak	Two 16-in. diam x 2-in. width Urethane- coated steel wheels	5 Geophones	Variable 0 to 48 in.	0, 12, 24, 36, 48
Dynatest FWD	1,500 to 27,000	Circular plate 11.8-in. or 17.7-in. diam	7 Geophones	Variable 12 to 96 in.	0, 12, 24, 36, 48 60, 72
Road Rater 2008	500 to 7,000 peak to peak	Circular plate 18-in. diam	4 Geophones	Variable 24 to 48 in.	0, 24, 36, 48
WES 16-Kip	500 to 30,000 peak to peak	Circular plate 18-in. diam	4 Geophones	Variable 24 to 60 in.	0, 12, 36, 48, 60
Phonix FWD	2,300 to 23,000	Circular plate 11.8-in. diam	6 Geophones	Variable 8.3 to 58 in.	0, 12, 23.5, 36 48, 58

* Falling weight deflectometer.

** Heavy weight deflectometer.

Table 2

Loading Series Used in Long-Term Repeatability Testing

<u>Device</u>	<u>Loading Series, (kips)</u>
Kuab FWD	14, 14, 7, 7, 5, 5
Dynatest HWD	16, 16, 27, 27, 50, 50
Dynaflect	1, 1
Dynatest FWD	26, 26, 12, 12, 8, 8
Road Rater	7, 7, 5, 5
WES 16-kip	15, 15, 10, 10, 5, 5
Phonix FWD	19, 19, 19, 12, 12, 12

Table 3
Results of In-Pavement Deflection Tests

<u>Relative Force Level</u>	<u>Drop Number</u>	<u>Sensor Number</u>	<u>Pavement Deflection mils</u>	<u>Device Deflection mils</u>	<u>Difference percent</u>
<u>Kuab FWD</u>					
4	1	1	25.8	18.39	-28.7
4	2	1	26.0	18.66	-28.2
2	1	1	10.6	7.99	-24.6
2	2	1	10.6	7.91	-25.4
1	1	1	6.2	4.57	-26.3
1	2	1	6.2	4.49	-27.6
4	1	4	12.5	12.24	-2.1
4	2	4	12.6	12.44	-1.3
2	1	4	4.7	5.00	6.4
2	2	4	4.7	5.00	6.4
1	1	4	2.7	2.87	6.3
1	2	4	2.7	2.95	9.3
4	1	6	7.3	7.36	0.8
4	2	6	7.3	7.36	0.8
2	1	6	2.8	2.99	6.8
2	2	6	2.8	2.99	6.8
1	1	6	1.6	1.85	15.6
1	2	6	1.6	1.77	10.6
<u>Dynatest HWD</u>					
4	1	1	66.1	60.75	-8.1
4	2	1	66.4	62.99	-5.1
3	1	1	51.8	47.64	-8.0
3	2	1	52.2	47.60	-8.8
2	1	1	36.0	33.78	-6.2
2	2	1	36.0	33.82	-6.1
1	1	1	20.5	18.50	-9.8
1	2	1	20.7	18.66	-9.9
4	1	3	46.5	45.12	-3.0
4	2	3	47.0	45.55	-3.1
3	1	3	36.4	35.35	-2.9
2	1	3	24.6	23.98	-2.5
2	2	3	24.7	24.09	-2.5
1	1	3	13.8	13.54	-1.9
1	2	3	13.8	13.66	-1.0
4	1	6	20.4	19.41	-4.9
4	2	6	20.7	19.72	-4.7
3	1	6	15.8	15.00	-5.1
3	2	6	15.8	15.16	-4.1

(Continued)

(Sheet 1 of 3)

Table 3 (Continued)

<u>Relative Force Level</u>	<u>Drop Number</u>	<u>Sensor Number</u>	<u>Pavement Deflection mils</u>	<u>Device Deflection mils</u>	<u>Difference percent</u>
<u>Dynatest HWD (Continued)</u>					
2	1	6	10.6	10.16	-4.2
2	2	6	10.6	10.12	-4.5
1	1	6	3.5	5.59	59.7
1	2	6	3.6	5.59	55.3
<u>Dynalect</u>					
1	1	1	0.7	0.78	8.3
1	1	1	0.7	0.78	6.8
1	1	3	0.6	0.60	5.3
1	1	3	0.6	0.60	9.1
1	1	5	0.3	0.36	20.0
1	1	5	0.3	0.36	24.1
<u>Dynatest FWD</u>					
4	1	1	37.9	32.87	-13.3
4	2	1	39.9	33.15	-16.9
2	1	1	22.4	15.81	-29.4
2	2	1	22.7	15.97	-29.6
1	1	1	15.7	10.65	-32.2
1	2	1	15.7	10.73	-31.7
4	1	3	21.9	22.24	1.6
4	2	3	14.8	22.52	52.2
2	1	3	6.9	9.88	43.2
2	2	3	6.9	9.84	42.6
1	1	3	4.5	6.36	41.3
1	2	3	4.5	6.36	41.3
4	1	6	9.2	9.10	-1.1
4	2	6	9.4	9.30	-1.1
2	1	6	4.2	4.23	0.7
2	2	6	4.2	4.23	0.7
1	1	6	2.8	2.81	0.4
1	2	6	2.8	2.73	-2.5
<u>Road Rater</u>					
3	1	1	9.8	9.4	-4.2
3	2	1	10.1	9.6	-5.1
1	1	1	7.0	6.5	-6.9
1	2	1	6.8	6.4	-6.3
3	1	3	6.5	5.7	-12.2

(Continued)

(Sheet 2 of 3)

Table 3 (Concluded)

<u>Relative Force Level</u>	<u>Drop Number</u>	<u>Sensor Number</u>	<u>Pavement Deflection mils</u>	<u>Device Deflection mils</u>	<u>Difference percent</u>
<u>Road Rater (Continued)</u>					
3	2	3	6.5	5.8	-11.3
1	1	3	4.6	3.9	-15.9
1	2	3	4.6	3.8	-17.9
3	1	4	4.7	4.1	-12.4
3	2	4	4.7	4.0	-14.9
1	1	4	3.1	2.6	-15.3
1	2	4	3.2	2.7	-15.4
<u>WES 16-Kip</u>					
3	1	1	18.1	19.12	5.9
3	2	1	18.5	19.17	3.9
2	1	1	12.1	12.38	2.2
2	2	1	12.1	12.15	0.6
1	1	1	5.9	5.48	-7.6
1	2	1	5.6	5.22	-7.4
3	1	3	14.2	13.81	-3.0
3	2	3	14.3	13.85	-2.8
2	1	3	9.7	8.90	-7.8
2	2	3	9.6	8.92	-7.4
1	1	3	5.1	4.30	-15.2
1	2	3	4.8	4.05	-16.3
3	1	5	8.9	8.17	-7.9
3	2	5	8.6	8.18	-4.7
2	1	5	5.7	5.18	-9.6
2	2	5	5.7	5.17	-9.6
1	1	5	3.1	2.57	-18.2
1	2	5	3.1	2.52	-17.4
<u>Phonix FWD</u>					
3	2	1	27.9	24.3	-12.9
3	3	1	29.2	23.9	-18.2
1	2	1	20.0	19.8	-1.0
1	3	1	19.9	20.1	1.0
3	2	3	16.3	15.9	-2.5
1	2	3	10.3	9.9	-3.9
1	3	3	10.2	9.6	-5.9
3	2	6	7.4	7.5	1.4
3	3	6	7.4	7.3	-1.4
1	2	6	4.6	4.9	6.5
1	3	6	4.6	4.7	1.3

(Sheet 3 of 3)

Table 4
Airfield and Pavement Types, by Site

<u>Site</u>	<u>Airport</u>	<u>Pavement Description</u>
1	Brookley Airport Mobile, AL	17-in. PCC
2	Brookley Airport Mobile, AL	2-in. AC/10-in. PCC
3	NAS Pensacola, FL	10-in. PCC
4	NAS Pensacola, FL	2.5-in. AC
5	Robins AFB Warner-Robins, GA	8-in. AC
6	Robins AFB Warner-Robins, GA	8-in. AC/7-in. PCC
7	Birmingham ANG Birmingham Municipal, AL	7-in. PCC
8	Birmingham ANG Birmingham Municipal, AL	7-in. AC/7-in. PCC
9	Birmingham Army Guard Birmingham Municipal, AL	5-in. AC
10	Birmingham Municipal, AL	2-in. AC/7-in. PCC
11	Sheppard AFB Wichita Falls, TX	21-in. PCC
12	Sheppard AFB Wichita Falls, TX	6-in. AC

Table 5
Condition Survey Data

<u>Site</u>	<u>Pavement Condition Index</u>	<u>Prevalent Distresses</u>
1	80	High-severity joint seal damage Low-severity joint spalls
2	47	Low-severity weathering Medium-severity joint reflection cracking
3	82	Low-severity patching (large and small) Low-severity joint and corner spalls
4	97	None
5	75	Low-severity longitudinal and transverse cracking
6	100	None
7	74	Medium-severity joint seal damage Low- and medium-severity linear cracking
8	64	Low-severity block cracking
9	100	None
10	68	Low-severity longitudinal and transverse cracking Medium-severity joint reflection cracking
11	68	High-severity joint seal damage Low- and medium-severity small patches
12	76	Low-severity longitudinal and transverse cracking

Table 6
Target Load Levels for Replicate Testing

<u>Device</u>	<u>Target Load, kips</u>							
	<u>Block 1</u>					<u>Block 2</u>		
	<u>1</u>	<u>5</u>	<u>7</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>50</u>
Kuab FWD		X	X	X	X			
Dynatest HWD				X	X		X	X
Dynaflect	X							
Dynatest FWD				X	X		X	
Road Rater	X	X	X					
WES 16-kip	X	X	X	X	X			
Phonix FWD				X	X	X		

Table 7
Target Load Levels for Performance Tests

<u>Device</u>	<u>Loads, kips</u>
Kuab FWD	5, 5, 10, 14
Dynatest HWD	15, 15, 25, 35, 50
Dynalect	1
Dynatest FWD	10, 10, 15, 25
Road Rater	5, 5, 7, 7
WES 16-kip	10, 15
Phonix FWD	15, 15, 15, 20, 20, 20

Table 8
Load Recording Accuracy Data

Device	Load Level	Test No.	Recorded Load lbf	Device Load lbf	Difference %
Kuab FWD	High	1	14,132	14,195	0.44
	High	2	14,303	14,048	1.78
	Medium	1	5,653	5,739	1.53
	Medium	2	5,623	5,718	1.69
	Low	1	3,321	3,304	0.52
	Low	2	3,324	3,304	0.61
Dynatest HWD	High	1	49,626	48,808	1.65
	High	2	49,941	48,883	2.12
	Medium	1	26,906	26,025	3.27
	Medium	2	27,233	26,122	4.08
	Low	1	16,594	16,160	2.61
	Low	2	16,515	16,104	2.49
Dynalect	--	1	330	500	51.52
	--	1	555	500	9.91
	--	2	188	500	165.96
	--	2	552	500	9.42
Dynatest FWD	High	1	25,693	26,440	2.91
	High	2	25,588	26,368	3.05
	Medium	1	12,524	12,056	3.74
	Medium	2	12,350	12,072	2.25
	Low	1	7,873	8,208	4.26
	Low	2	7,850	8,192	4.36
Road Rater	High	1	7,721	7,490	2.99
	High	2	7,703	7,410	3.80
	Low	1	5,089	4,810	5.48
	Low	2	5,081	4,770	6.12
WES 16-Kip	High	1	15,422	15,015	2.64
	High	2	15,411	14,960	2.93
	Medium	1	10,415	10,051	3.49
	Medium	2	10,422	10,086	3.22
	Low	1	5,117	5,042	1.47
	Low	2	4,923	4,869	1.10
Phonix FWD	High	1	17,359	18,744	7.98
	High	2	17,590	18,744	6.56
	High	3	17,642	18,744	6.25
	Medium	1	13,800	15,037	8.96
	Medium	2	13,999	15,037	7.41
	Medium	3	14,043	15,037	7.08
	Low	1	10,718	11,741	9.54
	Low	2	10,860	11,741	8.11
	Low	3	10,938	11,741	7.34

Table 9
Comparison of Data From Surface Deflection Test

Sensor Number	Distance from Load in.	Load kips	Deflection, mils		Difference %
			Calculated	Reported	
Kuab FWD					
3	12	3.5	6.0	5.7	5.0
		9.0	22.0	17.8	19.1
		14.0	30.2	27.9	7.6
4	18	3.5	-- *	3.7	-- *
		9.0	12.4	11.1	10.5
		14.0	20.0	17.6	12.0
5	24	3.5	-- *	2.7	-- *
		9.0	8.7	7.4	14.9
		14.0	12.8	11.9	7.0
6	36	3.5	1.8	1.9	-- **
		9.0	5.2	4.5	13.5
		14.0	8.5	7.2	15.3
7	48	3.5	1.2	1.3	-- **
		9.0	3.8	3.2	15.8
		14.0	5.9	5.1	13.6
Dynatest HWD					
2	12	15.0	32.7	32.6	-- **
		25.0	-- *	56.6	-- *
3	24	15.0	15.9	15.0	5.7
		25.0	-- *	26.8	-- *
4	36	15.0	9.8	9.4	4.1
		25.0	16.9	16.9	-- **
5	48	15.0	7.1	6.6	7.0
		25.0	12.7	11.9	6.3
6	60	15.0	5.1	5.0	-- **
		25.0	9.2	8.9	3.3
7	72	15.0	4.2	4.0	4.8
		25.0	7.4	7.2	2.7

(Continued)

* Spectral analyzer overranged; data was ignored.

** The calculated and reported deflections are within the accuracy of the data reduction method.

(Sheet 1 of 3)

Table 9 (Continued)

Sensor Number	Distance from Load in.	Load kips	Deflection, mils		Difference %
			Calculated	Reported	
Dynalect					
1	0	1.0	1.3	1.30	-- **
2	12	1.0	1.0	0.93	-- **
3	24	1.0	0.7	0.57	-- **
4	36	1.0	0.4	0.37	-- **
5	48	1.0	0.3	0.28	-- **
Dynatest FWD					
2	12	7.5	11.5	11.85	-3.0
		16.0	-- *	32.16	-- *
		24.0	-- *	50.02	-- *
3	24	7.5	6.3	5.76	8.6
		16.0	-- *	15.52	-- *
		24.0	-- *	24.28	-- *
4	36	7.5	4.5	4.26	5.3
		16.0	10.4	10.03	3.6
		24.0	15.8	15.15	4.1
5	48	7.5	3.3	3.14	4.8
		16.0	7.5	7.23	3.6
		24.0	11.4	10.93	4.1
6	60	7.5	2.4	2.18	9.2
		16.0	5.8	5.42	6.6
		24.0	8.8	8.11	7.5
7	72	7.5	1.9	1.73	8.9
		16.0	4.6	4.44	3.5
		24.0	7.0	6.87	1.9
Road Rater					
2	12	5.0	6.8	6.8	0.0**
		7.0	11.4	11.2	1.8
3	24	5.0	4.4	3.8	13.6
		7.0	6.9	5.9	14.5
4	36	5.0	2.7	2.4	11.1
		7.0	3.9	3.5	10.3

(Continued)

* Spectral analyzer overranged; data was ignored.

** The calculated and reported deflections are within the accuracy of the data reduction method.

(Sheet 2 of 3)

Table 9 (Concluded)

Sensor Number	Distance from Load in.	Load kips	Deflection, mils		Difference %
			Calculated	Reported	
WES 16-kip					
2	12	5.0	7.3	7.26	-- **
		10.0	16.6	16.19	2.5
		14.0	26.9	26.17	2.7
3	24	5.0	4.3	4.24	-- **
		10.0	9.3	9.01	3.1
		14.0	14.6	13.99	4.2
4	36	5.0	2.8	2.61	6.8
		10.0	5.7	5.64	-- **
		14.0	8.3	8.43	-1.6
5	48	5.0	2.1	1.90	9.5
		10.0	4.1	4.04	-- **
		14.0	6.0	6.04	-- **
Phonix FWD					
2	8.3	12.0	38.0	30.8	18.9
		18.0	54.9	48.6	11.5
3	24	12.0	14.1	13.3	5.7
		18.0	22.3	21.6	3.1
4	36	12.0	8.2	7.8	4.9
		18.0	13.6	12.8	5.9
5	48	12.0	5.5	5.2	5.5
		18.0	8.9	8.5	4.5
6	60	12.0	4.2	3.8	9.5
		18.0	6.9	6.2	10.1

* Spectral analyzer overranged; data was ignored.

** The calculated and reported deflections are within the accuracy of the data reduction method.

(Sheet 3 of 3)

Table 10
CBR Test Results

<u>Location</u>	<u>Test Number</u>	<u>Measured CBR</u>	<u>Average CBR</u>
	<u>Site No. 4</u>		
Top of base	1	90	88
	2	82	
	3	92	
Middle of base	1	93	100
	2	98	
	3	106	
	4	103	
Top of subgrade	1	15	16
	2	17	
	3	17	
	<u>Site No. 5</u>		
Top of base	1	60	77
	2	96	
	3	74	
Top of subgrade	1	44	46
	2	41	
	3	52	
16 in. into subgrade	1	20	25
	2	26	
	3	29	
	<u>Site No. 9</u>		
Top of base	1	47*	11
	2	11	
	3	10	
Top of subbase	1	50	40
	2	33	
	3	37	
Top of subgrade	1	14	16
	2	14	
	3	19	
14 in. into subgrade	1	29	32
	2	39	
	3	29	

(Continued)

* Test result discarded.

Table 10 (Concluded)

<u>Location</u>	<u>Test Number</u>	<u>Measured CBR</u>	<u>Average CBR</u>
	<u>Site No. 12</u>		
Top of base	1	111	117
	2	118	
	3	123	
Top of subgrade	1	15	13
	2	15	
	3	13	
14 in. into subgrade	1	3.9	4.3
	2	4.3	
	3	4.6	

Table 11

DCP Field Data, Mobile, AL, Site No. 1, (Top of Subgrade)

Location No. 1			Location No. 2		
Blows	Penetration in.	Depth	Blows	Penetration in.	Depth
5	2.50	2.50	5	1.50	1.50
5	2.00	4.50	5	1.25	2.75
5	1.00	5.50	5	1.00	3.75
5	1.00	6.50	5	1.00	4.75
5	1.00	7.50	5	0.75	5.50
5	1.50	9.00	5	0.50	6.00
5	0.25	9.25	5	1.00	7.00
5	0.75	10.00	5	0.50	7.50
5	0.75	10.75	5	0.50	8.00
5	0.75	11.50	5	0.50	8.50
5	0.50	12.00	5	0.50	9.00
5	1.00	13.00	5	0.50	9.50
5	1.00	14.00	5	0.50	10.00
5	1.00	15.00	5	0.50	10.50
5	1.00	16.00	5	0.75	11.25
5	0.50	16.50	5	1.00	12.25
5	1.00	17.50	5	0.50	12.75
5	1.00	18.50	5	0.25	13.00
5	1.50	20.00	5	0.50	13.50
5	1.00	21.00	5	0.50	14.00
5	1.00	22.00	5	0.25	14.25
5	0.50	22.50	5	0.50	14.75
5	1.00	23.50	5	0.50	15.25
5	1.00	24.50	5	0.50	15.75
5	1.50	26.00	5	0.25	16.00
5	1.50	27.50	5	0.25	16.25
5	2.00	29.50	5	0.50	16.75
5	1.50	31.00	5	0.25	17.00
5	2.00	33.00	5	0.50	17.50
5	2.50	35.50	5	0.25	17.75
5	2.00	37.50	5	0.50	18.25
			5	0.50	18.75
			5	0.50	19.25
			5	0.50	19.75
			5	0.75	20.50
			5	0.75	21.25
			5	0.50	21.75
			5	0.50	22.25
			5	0.75	23.00
			5	0.75	23.75
			5	1.25	25.00
			5	0.75	25.75
			5	1.50	27.25

(Continued)

Table 11 (Concluded)

Location No. 1			Location No. 2		
<u>Blows</u>	<u>Penetration</u>	<u>Depth</u>	<u>Blows</u>	<u>Penetration</u>	<u>Depth</u>
	<u>in.</u>			<u>in.</u>	
			5	1.50	28.75
			5	3.00	31.75
			5	3.00	34.75
			5	2.50	37.25

Table 12
DCP Field Data, Mobile, AL, Site No. 2, (Top of Subgrade)

<u>Blows</u>	<u>Penetration</u> <u>in.</u>	<u>Depth</u>
5	5.04	5.04
5	2.52	7.56
5	2.16	9.72
5	1.44	11.16
5	1.08	12.24
5	1.20	13.44
5	1.20	14.64
5	1.08	15.72
5	1.20	16.92
5	0.96	17.88
5	1.20	19.08
5	0.84	19.92
5	0.96	20.88
5	1.20	22.08
5	1.20	23.28
5	1.20	24.48
5	1.44	25.92

Table 13
DCP Field Data, Pensacola, FL, Site No. 3, (Top of Subgrade)

Location No. 1			Location No. 2		
Blows	Penetration in.	Depth	Blows	Penetration in.	Depth
5	3.75	3.75	5	3.25	3.25
5	2.50	6.25	5	3.00	6.25
5	3.25	9.50	5	2.00	8.25
5	2.25	11.75	5	2.00	10.25
5	2.00	13.75	5	2.00	12.25
5	2.00	15.75	5	1.50	13.75
5	1.50	17.25	5	1.00	14.75
5	1.50	18.75	5	1.50	16.25
5	2.50	21.25	5	2.00	18.25
5	1.50	22.75	5	1.50	19.75
5	1.00	23.75	5	3.00	22.75
5	0.50	24.25	5	16.00	38.75
5	2.00	26.25			
5	1.50	27.75			
5	2.00	29.75			
5	3.50	33.25			
5	3.00	36.25			

Table 14

DCP Field Data, Pensacola, FL, Site No. 4, (Top of Base)

Location No. 1			Location No. 2			Location No. 3		
Blows	Pene- tration in.	Depth	Blows	Pene- tration in.	Depth	Blows	Pene- tration in.	Depth
5	1.25	1.25	5	1.50	1.50	5	6.25	6.25
5	0.75	2.00	5	1.25	2.75	5	4.75	11.00
5	0.75	2.75	5	0.75	3.50	5	2.50	13.50
5	0.75	3.50	5	1.00	4.50	5	2.50	16.00
5	0.50	4.00	5	0.75	5.25	5	2.50	18.50
5	0.75	4.75	5	0.25	5.50	5	2.50	21.00
5	0.50	5.25	5	0.50	6.00	5	2.00	23.00
5	0.50	5.75	5	0.50	6.50	5	2.00	25.00
5	0.50	6.25	5	0.50	7.00	5	2.50	27.50
5	0.20	6.45	5	0.50	7.50	5	2.00	29.50
5	0.75	7.20	5	0.25	7.75	5	2.50	32.00
5	0.50	7.70	5	0.50	8.25	5	1.00	33.00
5	0.50	8.20	5	0.50	8.75	5	2.00	35.00
5	0.25	8.45	5	0.50	9.25			
5	0.50	8.95	5	0.50	9.75			
5	0.75	9.70	5	0.50	10.25			
5	0.50	10.20	5	1.00	11.25			
5	0.25	10.45	5	0.50	11.75			
5	1.00	11.45	5	0.50	12.25			
5	0.75	12.20	5	0.50	12.75			
5	1.00	13.20	5	1.00	13.75			
5	1.00	14.20	5	1.00	14.75			
5	1.25	15.45	5	1.00	15.75			
5	1.00	16.45	5	1.50	17.25			
5	1.25	17.70	5	1.50	18.75			
5	1.75	19.45	5	1.75	20.50			
5	1.50	20.95	5	2.00	22.50			
5	1.50	22.45	5	1.00	23.50			
5	1.00	23.45	5	1.25	24.75			
5	1.00	24.45	5	0.75	25.50			
5	1.50	25.95	5	0.75	26.25			
5	1.50	27.45	5	1.25	27.50			
5	1.50	28.95	5	0.75	28.25			
5	1.50	30.45	5	1.50	29.75			
5	2.00	32.45	5	1.00	30.75			
5	1.50	33.95	5	1.00	31.75			
5	2.00	35.95	5	1.50	33.25			
			5	1.50	34.75			
			5	2.00	36.75			

Table 15

DCP Field Data, Robins AFB, GA, Site No. 5, (Top of Subgrade)

Location No. 1			Location No. 2		
Blows	Penetration in.	Depth	Blows	Penetration in.	Depth
5	2.50	2.50	5	2.50	2.50
5	2.00	4.50	5	3.50	6.00
5	2.50	7.00	5	2.50	8.50
5	1.50	8.50	5	2.50	11.00
5	2.00	10.50	5	1.50	12.50
5	1.50	12.00	5	2.00	14.50
5	2.00	14.00	5	2.50	17.00
5	1.50	15.50	5	2.00	19.00
5	1.50	17.00	5	1.00	20.00
5	1.50	18.50	5	1.00	21.00
5	1.50	20.00	5	2.50	23.50
5	1.50	21.50	5	1.50	25.00
5	2.00	23.50	5	1.50	26.50
5	1.00	24.50	5	1.50	28.00
5	2.00	26.50	5	2.00	30.00
5	1.00	27.50	5	2.00	32.00
5	1.00	28.50	5	2.00	34.00
5	1.00	29.50	5	2.00	36.00
5	1.50	31.00			
5	2.00	33.00			
5	1.50	34.50			
5	2.00	36.50			

Table 16

DCP Field Data, Robins AFB, GA, Site No. 6, (Top of Subgrade)

Location No. 1			Location No. 2		
Blows	Penetration in.	Depth	Blows	Penetration in.	Depth
5	4.00	4.00	5	1.00	1.00
5	2.00	6.00	5	3.25	4.25
5	1.25	7.25	5	1.25	5.50
5	1.25	8.50	5	1.50	7.00
5	1.50	10.00	5	1.00	8.00
5	1.50	11.50	5	1.50	9.50
5	1.00	12.50	5	1.00	10.50
5	1.00	13.50	5	1.00	11.50
5	1.00	14.50	5	1.50	13.00
5	1.00	15.50	5	0.75	13.75
5	1.00	16.50	5	0.75	14.50
5	0.50	17.00	5	1.00	15.50
5	1.00	18.00	5	0.75	16.25
5	0.50	18.50	5	0.75	17.00
5	1.00	19.50	5	1.00	18.00
5	1.00	20.50	5	1.00	19.00
5	1.00	21.50	5	1.00	20.00
5	1.00	22.50	5	0.50	20.50
5	1.00	23.50	5	0.75	21.25
5	1.50	25.00	5	1.00	22.25
5	1.00	26.00	5	0.75	23.00
5	2.00	28.00	5	1.00	24.00
5	2.00	30.00	5	1.50	25.50
5	1.50	31.50	5	1.00	26.50
5	2.00	33.50	5	1.50	28.00
5	1.50	35.00	5	1.50	29.50
			5	2.00	31.50
			5	1.50	33.00
			5	2.50	35.50

Table 17

DCP Field Data, Birmingham, AL, Site No. 7, (Top of Subgrade)

<u>Blows</u>	<u>Penetration in.</u>	<u>Depth</u>
<u>Location No. 1</u>		
5	15.75	15.75
5	7.25	23.00
5	4.50	27.50
5	3.50	31.00
5	2.50	33.50
5	2.50	36.00
5	0.50	36.50
<u>Location No. 2</u>		
5	6.75	6.75
5	4.50	11.25
5	7.25	18.50
5	5.00	23.50
5	4.75	28.25
5	3.00	31.25
5	3.25	34.50
5	4.00	38.50
<u>Location No. 3</u>		
5	13.25	13.25
5	8.50	21.75
5	5.50	27.25
5	5.00	32.25
5	5.50	37.75
<u>Location No. 4</u>		
5	14.00	14.00
5	6.50	20.50
5	7.25	27.75
5	3.00	30.75
5	3.25	34.00
5	3.25	37.25

Table 18

DCP Field Data, Birmingham, AL, Site No. 8, (Top of Subgrade)

<u>Blows</u>	<u>Penetration in.</u>	<u>Depth</u>
<u>Location No. 1</u>		
5	8.25	8.25
5	7.00	15.25
5	5.50	20.75
5	4.50	25.25
5	3.00	28.25
5	2.50	30.75
5	2.75	33.50
5	2.50	36.00
5	2.25	38.25
<u>Location No. 2</u>		
5	4.00	4.00
5	2.25	6.25
5	4.00	10.25
5	8.75	19.00
5	5.25	24.25
5	3.00	27.25
5	1.50	28.75
5	1.75	30.50
5	2.75	33.25
5	2.50	35.75
5	2.00	37.75
<u>Location No. 3</u>		
5	17.25	17.25
5	5.00	22.25
5	4.00	26.25
5	2.25	28.50
5	2.00	30.50
5	2.00	32.50
5	1.75	34.25
5	1.75	36.00
5	1.75	37.75
5	1.25	39.00

(Continued)

Table 18 (Concluded)

<u>Blows</u>	<u>Penetration</u> <u>in.</u>	<u>Depth</u>
	<u>Location No. 4</u>	
5	13.75	13.75
5	5.75	19.50
5	3.50	23.00
5	3.50	26.50
5	1.75	28.25
5	1.50	29.75
5	2.00	31.75
5	2.00	33.75
5	1.75	35.50
5	1.75	37.25
5	2.00	39.25

Table 19

DCP Field Data, Birmingham, AL, Site No. 9, (Top of Base)

Location No. 1			Location No. 2			Location No. 3		
Blows	Pene- tration in.	Depth	Blows	Pene- tration in.	Depth	Blows	Pene- tration in.	Depth
5	2.50	2.50	5	3.25	3.25	5	2.00	2.00
5	0.75	3.25	5	1.00	4.25	5	1.75	3.75
5	1.00	4.25	5	0.00	4.25	5	1.00	4.75
5	1.00	5.25	5	0.00	4.25	5	1.25	6.00
5	1.50	6.75	5	0.50	4.75	5	1.00	7.00
5	1.00	7.75	5	2.00	6.75	5	1.00	8.00
5	0.50	8.25	5	1.00	7.75	5	0.75	8.75
5	0.50	8.75	5	0.75	8.50	5	1.00	9.75
5	0.25	9.00	5	0.75	9.25	5	0.25	10.00
5	0.25	9.25	5	0.75	10.00	5	0.25	10.25
5	0.25	9.50	5	0.75	10.75	5	0.25	10.50
5	0.25	9.75	5	0.75	11.50	5	0.25	10.75
5	0.00	9.75	5	0.25	11.75	5	0.50	11.25
5	0.00	9.75	5	0.25	12.00	5	0.00	11.25
5	0.25	10.00	5	0.50	12.50	5	0.25	11.50
5	0.25	10.25	5	0.25	12.75	5	0.25	11.75
5	0.00	10.25	5	0.25	13.00	5	0.25	12.00
5	0.00	10.25	5	0.00	13.00	5	0.25	12.25
5	0.25	10.50	5	0.00	13.00	5	0.25	12.50
5	0.25	10.75				5	0.25	12.75
5	0.00	10.75				5	0.50	13.25
						5	0.50	13.75
						5	0.50	14.25
						5	0.25	14.50
						5	0.50	15.00
						5	0.50	15.50
						5	0.25	15.75
						5	0.50	16.25
						5	0.50	16.75

(Continued)

(Sheet 1 of 5)

Table 19 (Continued)
DCP Field Data, Birmingham, AL, Site No. 9, (7 in. into Subbase)

<u>Blows</u>	<u>Penetration in.</u>	<u>Depth</u>
	<u>Location No. 1</u>	
5	1.50	1.50
5	0.75	2.25
5	0.75	3.00
5	0.75	3.75
5	0.50	4.25
5	0.50	4.75
5	0.00	4.75
5	1.00	5.75
5	0.50	6.25
5	0.75	7.00
5	0.75	7.75
5	1.00	8.75
5	0.75	9.50
5	1.00	10.50
5	2.25	12.75
5	2.50	15.25
5	2.50	17.75
5	2.00	19.75
5	1.75	21.50
5	1.75	23.25
5	1.50	24.75
5	1.00	25.75
5	0.00	25.75
5	1.25	27.00
5	1.25	28.25
5	1.50	29.75
5	1.00	30.75
5	1.50	32.25
5	1.50	33.75
5	1.50	35.25
5	1.00	36.25
5	1.00	37.25

(Continued)

(Sheet 2 of 5)

Table 19 (Continued)

DCP Field Data, Birmingham, AL, Site No. 9, (Top of Subgrade)

Location No. 1			Location No. 2			Location No. 3		
Blows	Pene- tration in.	Depth	Blows	Pene- tration in.	Depth	Blows	Pene- tration in.	Depth
5	2.50	2.50	5	3.75	3.75	5	4.75	4.75
5	2.00	4.50	5	1.75	5.50	5	2.25	7.00
5	1.50	6.00	5	2.00	7.50	5	2.50	9.50
5	1.00	7.00	5	1.50	9.00	5	1.50	11.00
5	1.50	8.50	5	1.50	10.50	5	1.00	12.00
5	2.50	11.00	5	2.00	12.50	5	1.25	13.25
5	2.00	13.00	5	2.50	15.00	5	1.25	14.50
5	1.25	14.25	5	2.50	17.50	5	1.00	15.50
5	1.25	15.50	5	3.00	20.50	5	1.00	16.50
5	1.25	16.75	5	2.50	23.00	5	1.50	18.00
5	1.25	18.00	5	1.75	24.75	5	1.00	19.00
5	1.25	19.25	5	2.25	27.00	5	1.00	20.00
5	1.25	20.50	5	2.50	29.50	5	1.25	21.25
5	1.50	22.00	5	2.50	32.00	5	1.50	22.75
5	1.50	23.50	5	3.25	35.25	5	1.50	24.25
5	1.50	25.00	5	3.00	38.25	5	1.25	25.50
5	0.75	25.75				5	1.25	26.75
5	1.25	27.00				5	1.25	28.00
5	1.25	28.25				5	1.50	29.50
5	1.25	29.50				5	1.50	31.00
5	1.25	30.75				5	1.50	32.50
5	1.25	32.00				5	1.50	34.00
5	1.50	33.50						
5	1.50	35.00						
5	1.25	36.25						
5	1.50	37.75						

(Continued)

(Sheet 3 of 5)

Table 19 (Continued)

DCP Field Data, Birmingham, AL, Site No. 9, (Top of Subgrade)

Location No. 4			Location No. 5		
Blows	Penetration	Depth	Blows	Penetration	Depth
	in.			in.	
5	2.25	2.25	5	3.50	3.50
5	2.75	5.00	5	3.00	6.50
5	2.00	7.00	5	2.75	9.25
5	2.50	9.50	5	1.25	10.50
5	2.00	11.50	5	0.75	11.25
5	1.00	12.50	5	1.00	12.25
5	1.50	14.00	5	1.25	13.50
5	1.50	15.50	5	1.50	15.00
5	1.50	17.00	5	1.50	16.50
5	1.50	18.50	5	1.00	17.50
5	1.50	20.00	5	1.00	18.50
5	2.50	22.50	5	1.00	19.50
5	1.50	24.00	5	1.25	20.75
5	1.50	25.50	5	1.25	22.00
5	1.25	26.75	5	1.25	23.25
5	1.25	28.00	5	1.00	24.25
5	1.00	29.00	5	1.25	25.50
5	0.75	29.75	5	1.25	26.75
5	1.25	31.00	5	1.25	28.00
5	1.00	32.00	5	1.00	29.00
5	1.50	33.50	5	1.50	30.50
5	1.00	34.50	5	0.75	31.25
5	1.00	35.50	5	1.00	32.25
5	0.50	36.00	5	1.25	33.50
5	1.00	37.00	5	1.85	35.35
5	1.00	38.00	5	1.65	37.00

(Continued)

(Sheet 4 of 5)

Table 19 (Concluded)
DCP Field Data, Birmingham, AL, Site No. 9, (14 in. into Subgrade)

Location No. 1			Location No. 2		
Blows	Penetration	Depth	Blows	Penetration	Depth
	in.			in.	
5	3.75	3.75	5	3.75	3.75
5	2.75	6.50	5	2.00	5.75
5	3.25	9.75	5	1.00	6.75
5	2.25	12.00	5	2.75	9.50
5	1.50	13.50	5	1.75	11.25
5	1.50	15.00	5	2.00	13.25
5	1.50	16.50	5	3.00	16.25
5	2.00	18.50	5	2.50	18.75
5	1.75	20.25	5	1.75	20.50
5	1.25	21.50	5	1.25	21.75
5	1.25	22.75	5	2.25	24.00
5	1.25	24.00	5	2.25	26.25
5	1.00	25.00	5	2.50	28.75
5	1.50	26.50	5	2.00	30.75
5	1.50	28.00	5	2.75	33.50
5	1.50	29.50	5	2.75	36.25
5	2.00	31.50	5	3.00	39.25
5	2.00	33.50			
5	2.25	35.75			
5	2.25	38.00			

Table 20
DCP Field Data, Birmingham, AL, Site No. 10, (Top of Base)

<u>Blows</u>	<u>Penetration in.</u>	<u>Depth</u>
<u>Location No. 1</u>		
5	2.50	2.50
5	1.25	3.75
5	3.00	6.75
5	0.50	7.25
5	1.00	8.25
5	1.00	9.25
5	3.50	12.75
5	3.25	16.00
5	3.50	19.50
5	3.25	22.75
5	2.00	24.75
5	2.25	27.00
5	2.00	29.00
5	2.00	31.00
5	2.00	33.00
5	2.25	35.25
5	2.25	37.50
<u>Location No. 2</u>		
5	1.25	1.25
5	0.50	1.75
5	0.50	2.25
5	0.00	2.25
5	0.25	2.50
5	0.50	3.00
5	0.25	3.25
5	0.50	3.75
5	0.50	4.25
5	0.75	5.00
5	0.25	5.25
5	0.50	5.75
5	0.50	6.25
5	0.25	6.50
5	1.00	7.50
5	0.25	7.75
5	0.50	8.25
5	0.50	8.75
5	0.50	9.25
5	0.25	9.50
5	0.50	10.00

(Continued)

(Sheet 1 of 3)

Table 20 (Continued)

<u>Blows</u>	<u>Penetration</u> <u>in.</u>	<u>Depth</u>
<u>Location No. 2 (Continued)</u>		
5	0.75	10.75
5	1.75	12.50
5	1.50	14.00
5	1.50	15.50
5	3.00	18.50
5	3.25	21.75
5	3.00	24.75
5	2.00	26.75
5	3.00	29.75
5	2.75	32.50
5	2.75	35.25
5	3.00	38.25
<u>Location No. 3</u>		
5	2.00	2.00
5	1.50	3.50
5	6.25	9.75
5	4.25	14.00
5	4.25	18.25
5	4.25	22.50
5	4.00	26.50
5	3.50	30.00
5	3.00	33.00
5	3.50	36.50
5	3.25	39.75
<u>Location No. 4</u>		
5	1.75	1.75
5	1.00	2.75
5	1.00	3.75
5	1.00	4.75
5	0.75	5.50
5	0.75	6.25
5	0.25	6.50
5	0.50	7.00
5	0.75	7.75
5	0.75	8.50
5	1.00	9.50
5	3.50	13.00
5	3.25	16.25

(Continued)

(Sheet 2 of 3)

Table 20 (Concluded)

<u>Blows</u>	<u>Penetration</u> <u>in.</u>	<u>Depth</u>
<u>Location No. 4 (Continued)</u>		
5	3.25	19.50
5	2.50	22.00
5	2.50	24.50
5	3.00	27.50
5	2.50	30.00
5	2.75	32.75
5	2.50	35.25
5	3.00	38.25

Table 21
DCP Field Data, Sheppard AFB, Site No. 11, (Top of Base)

<u>Blows</u>	<u>Penetration in.</u>	<u>Depth</u>
<u>Location No. 1</u>		
5	5.25	5.25
5	4.50	9.75
5	5.00	14.75
5	4.50	19.25
5	5.00	24.25
5	3.50	27.75
5	3.25	31.00
5	3.25	34.25
5	3.00	37.25
<u>Location No. 2</u>		
5	4.25	4.25
5	4.00	8.25
5	5.00	13.25
5	4.00	17.25
5	3.00	20.25
5	3.00	23.25
5	2.25	25.50
5	2.00	27.50
5	1.75	29.25
5	1.75	31.00
5	0.00	31.00
5	2.25	33.25
5	2.00	35.25
5	1.50	36.75
5	1.50	38.25
<u>Location No. 3</u>		
5	3.50	3.50
5	2.00	5.50
5	2.00	7.50
5	2.00	9.50
5	4.00	13.50
5	5.00	18.50
5	4.50	23.00
5	3.50	26.50
5	4.00	30.50
5	3.50	34.00
5	2.50	36.50
5	2.50	39.00

(Continued)

Table 21 (Concluded)

<u>Blows</u>	<u>Penetration</u> <u>in.</u>	<u>Depth</u>
<u>Location No. 3</u>		
5	4.50	4.50
5	3.00	7.50
5	5.00	12.50
5	4.00	16.50
5	3.00	19.50
5	3.00	22.50
5	2.50	25.00
5	2.50	27.50
5	1.75	29.25
5	1.75	31.00
5	1.75	32.75
5	1.25	34.00
5	1.50	35.50
5	2.00	37.50

Table 22
DCP Field Data, Sheppard AFB, Site No. 12, (Top of Subgrade)

<u>Blows</u>	<u>Penetration in.</u>	<u>Depth</u>
<u>Location No. 1</u>		
5	8.25	8.25
5	5.00	13.25
5	3.50	16.75
5	3.00	19.75
5	2.75	22.50
5	2.25	24.75
5	2.00	26.75
5	1.75	28.50
5	2.25	30.75
5	1.75	32.50
5	1.75	34.25
5	1.75	36.00
5	1.75	37.75
<u>Location No. 2</u>		
5	9.00	9.00
5	7.25	16.25
5	5.25	21.50
5	3.75	25.25
5	3.00	28.25
5	2.75	31.00
5	2.75	33.75
5	2.00	35.75
5	2.00	37.75
<u>Location No. 3</u>		
5	5.50	5.50
5	7.25	12.75
5	5.00	17.75
5	4.00	21.75
5	4.25	26.00
5	3.25	29.25
5	3.50	32.75
5	2.50	35.25
5	2.50	37.75

(Continued)

Table 22 (Concluded)

<u>Blows</u>	<u>Penetration</u>	<u>Depth</u>
	<u>in.</u>	
	<u>Location No. 4</u>	
5	7.25	7.25
5	6.00	13.25
5	3.50	16.75
5	3.00	19.75
5	3.25	23.00
5	2.50	25.50
5	1.75	27.25
5	2.00	29.25
5	1.50	30.75
5	1.75	32.50
5	1.25	33.75
5	1.50	35.25
5	1.50	36.75
5	1.50	38.25

Table 23
Moisture and Density Test Results

<u>Location</u>	<u>Nuclear Gage</u>			<u>Oven Dry</u>
	<u>Water Content</u>	<u>Dry Density</u>	<u>Wet Density</u>	<u>Water Content</u>
Site No. 1				
Top of subgrade	*	*	*	10.9
Site No. 2				
Top of subgrade	*	*	*	**
Site No. 3				
Top of base	13.0	115	128	9.5
Top of subgrade	18.4	104	123	15.5
Site No. 4				
Top of base	11.2	128	138	8.2
Middle of base	10.1	125	135	6.4
Top of subgrade	18.3	108	126	14.5
Site No. 5				
Top of base	*	*	*	2.6
Top of subgrade	16.0	116	135	9.6
16 in. into subgrade	18.2	110	130	9.9
Site No. 6				
Top of subgrade	8.8	119	129	8.5
Site No. 7				
Top of subgrade	22.6	111	133	19.9
Site No. 8				
Top of subgrade	19.3	115	137	18.6
Site No. 9				
Top of base	8.7	130	134	3.0
Top of subbase	16.8	115	133	15.0

(Continued)

* Test not conducted, or data inconsistent.

Table 23 (Concluded)

<u>Location</u>	<u>Nuclear Gage</u>			<u>Oven Dry</u>
	<u>Water Content</u>	<u>Dry Density</u>	<u>Wet Density</u>	<u>Water Content</u>
Site No. 9 (Continued)				
Top of subgrade	24.0	107	130	20.2
14 in. into subgrade	24.6	112	132	18.8
Site No. 10				
Top of base	13.8	111	131	17.9
Site No. 11				
Top of base	7.1	134	142	6.1
Site No. 12				
Top of base	3.8	143	147	3.1
Top of subgrade	18.2	109	127	15.7
14 in. into subgrade	*	96	*	21.6

* Test not conducted, or data inconsistent.

Table 24
Plate Bearing Test Results

<u>Site Number</u>	<u>Depth from Surface, in.</u>	<u>k*</u> <u>pci</u>
1	18.0	294
3	10.0	303
6	17.5	476
7	7.0	82
8	13.5	27
10	9.0	192
11	21.0	82

* k = slope of average pressure versus deflection curve during loading.

Table 25

Results of Flexural Strength Tests on Concrete Slabs

Site No.	Beam No.	Beam Dimensions			Dynamic F $\times 10^6$ psi	Average Dynamic E $\times 10^6$ for Slab psi	Flexural Strength psi	Average Flexural Strength for Slab psi
		Width in.	Height in.	Length in.				
1	1	6	6	54	6.237	6.374	820	875
							830	
							930	
	2	6	6	54	6.209		870	
							900	
							875	
	3	6	6	54	6.676		1,000	
							835	
							805	
3	1	6	6	58	5.415	5.556	1,010	905
							870	
							875	
							750	
	2	6	6	58	5.713		965	
							820	
							765	
							935	
	3	6	6	58	5.539		945	
6							930	735
							995	
							1,030	
	1	4	4	17	5.133	5.114	720	
	2	4	4	17	5.008		735	
	3	4	4	17	5.357		730	
	4	4	4	17	5.069		660	
	5	4	4	17	5.005		825	
7	1	6	6	47	5.526	5.069	995	915
							965	
							920	
	2	6	6	47	4.489		860	
							790	
							855	
	3	6	6	47	5.192		990	
							970	
							915	

(Continued)

Table 25 (Concluded)

Site No.	Beam No.	Beam Dimensions			Dynamic E × 10 ⁶ psi	Average Dynamic E × 10 ⁶ for Slab psi	Flexural Strength psi	Average Flexural Strength for Slab psi
		Width in.	Height in.	Length in.				
8	1	4	4	17	5.683	5.487	890	820
	2	4	4	17	5.919		905	
	3	4	4	17	5.538		800	
	4	4	4	17	5.595		905	
	5	4	4	17	5.688		850	
	6	4	4	17	5.265		665	
	7	4	4	17	5.125		760	
	8	4	4	17	5.428		930	
	9	4	4	17	5.594		855	
	10	4	4	17	5.039		645	
10	1	6	6	32	6.81	6.794	875 620	745
	2	6	6	32	6.56		795 755	
	3	6	6	47	7.011		715 775 695	
11	1	6	6	47	5.422	5.363	625 380 515	510
	2	6	6	47	4.966		505 525 530	
	3	6	6	47	5.702		490 460 575	

Table 26
Summary of Soil Classification Test Results

Site No.	Sample No.	Layer	Atterberg Limits			Specific Gravity	Percent Gravel	Percent Fines	Classification
			LL	PL	PI				
1	1	Subgrade	NP	NP	NP	2.66	2	98	Silty sand (SM)
2	2	Subgrade	16	10	6	2.67	2	98	Clayey silty sand (SM-SC)
3	3	Base	NP	NP	NP	2.65	20	80	Gravelly silty sand (SP-SM)
3	4	Subgrade	NP	NP	NP	2.64	0	100	Silty sand (SP-SM)
4	5	Base	19	13	6	2.67	18	82	Gravelly silty sand (SM-SC)
4	6	Subgrade	NP	NP	NP	2.65	0	100	Silty sand (SP-SM)
5	7	Base	NP	NP	NP	2.65	76	24	Sandy gravel (GP)
5	8	Subgrade	44	16	28	2.68	1	99	Clayey sand (SC)
6	9	Subgrade	19	10	9	2.67	2	98	Clayey sand (SC)
7	10	Subgrade	33	15	18	2.72	8	92	Sandy clay (CL)
8	11	Subgrade	30	14	16	2.72	12	88	Gravelly sandy clay (CL)
9	12	Base	17	11	6	2.83	62	38	Sandy silty gravel (GP-GM)
9	13	Subgrade	35	16	19	2.73	32	68	Sandy clayey gravel (GC)
9	14	Subbase	35	15	20	2.74	26	74	Gravelly clayey sand (SC)
10	15	Base	33	15	18	2.69	---Sample contained asphalt---no tests---		
10	16	Subgrade	38	15	23	2.74	6	94	Sandy clay (CL)
11	17	Base	17	10	7	2.69	36	64	Gravelly silty sand (SP-SM)
11	18	Subgrade	23	11	12	2.69	2	98	Clayey sand (SC)
12	19	Base	15	10	5	2.71	47	53	Sandy silty gravel (GP-GM)
12	20	Subgrade	35	22	13	2.68	0	100	Sandy clay (CL)

Table 27

Load Recording and Deflection Sensor Accuracy

<u>Device</u>	<u>Load Recording Accuracy Average Percent Difference</u>	<u>Deflection Sensor Accuracy Average Percent Difference</u>	<u>COV of Deflection from Long Term Repeatability Tests Percent</u>
Kuab FWD	1.1	11.4	2.9
Dynatest HWD	2.7	3.5	0.7
Dynaflect	59.2	7.9*	5.1
Dynatest FWD	3.4	5.4	1.4
Road Rater	4.6	8.5	2.8
WES 16-Kip	2.5	3.0	2.6
Phonix FWD	7.7	8.0	1.2

* All data collected for this test is considered to be within the accuracy of the test.

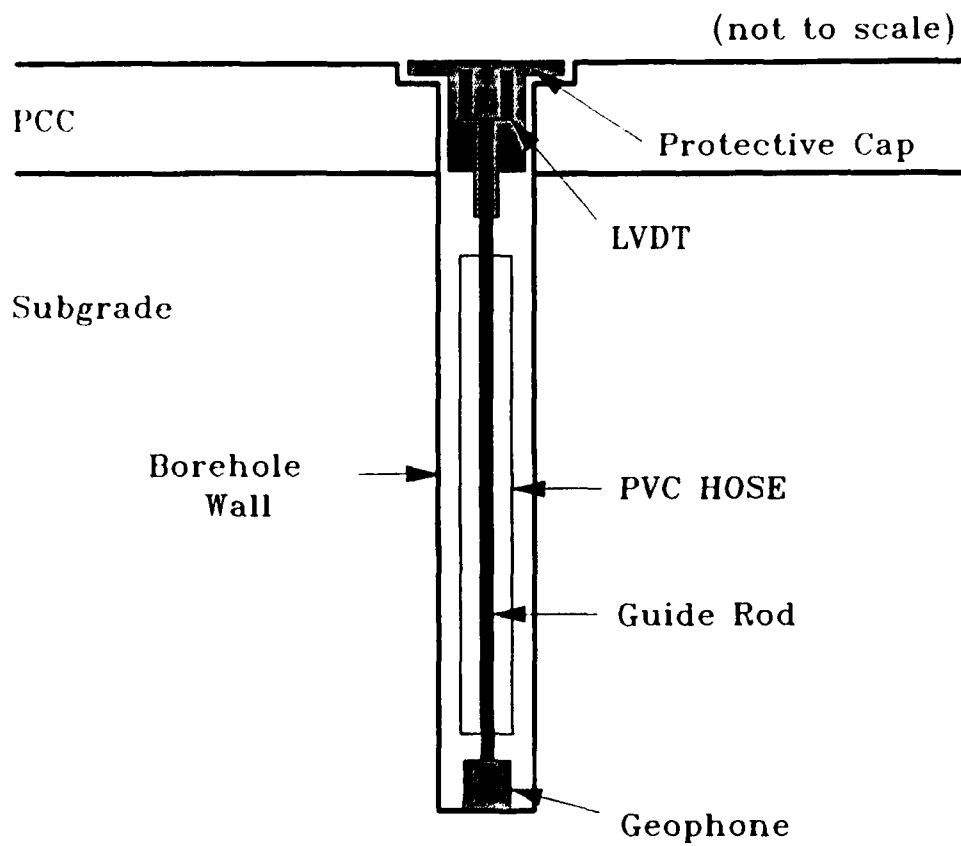


Figure 1. Schematic of linear variable differential trans-
former (Nazarian 1987)

NDT EQUIPMENT EVALUATION

EXPERIMENTAL DESIGN

SUBGRADE STRENGTH TYPE	FINE		COURSE	
	THICK	THIN	THICK	THIN
	AC	AC	AC	AC
AC	Site #12 Sheppard AFB 7" AC 20" Base 14 CBR Subgrade	Site #9 Birmingham 4" AC 4" Base 28" Subbase 16 CBR Subgrade	Site #5 Robins AFB 8" AC 8" Base 46 CBR Subgrade	Site #4 Pensacola NAS 5.5" AC 13.5" Base 16 CBR Subgrade
	Site #11 Sheppard AFB 21" PCC 6" Base k = 81 pci	Site #7 Birmingham 7" PCC k = 82 pci	Site #1 Mobile Brookley Field 18" PCC k = 294 pci	Site #3 Pensacola NAS 10" PCC 4" Base k = 303 pci
	Site #8 Birmingham 6.5" AC 7" PCC k = 27 pci	Site #10 Birmingham 2" AC 7" PCC 14" Base k = 192 pci	Site #6 Robins AFB 10" AC 7.5" PCC k = 476 pci	Site #2 Mobile Brookley Field 2" AC 10" PCC
COMPOSITE				

Figure 2. Pavement array of field testing sites

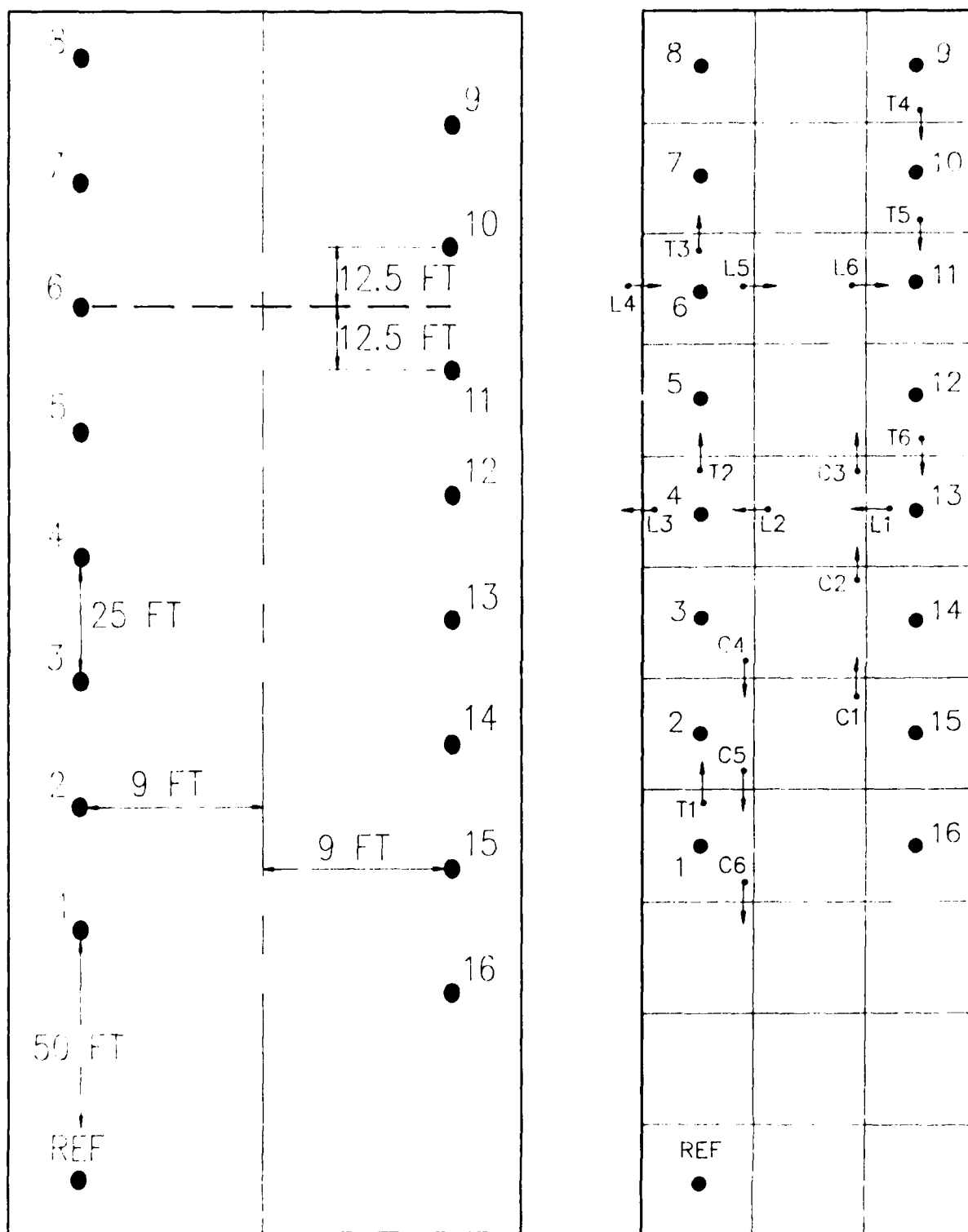
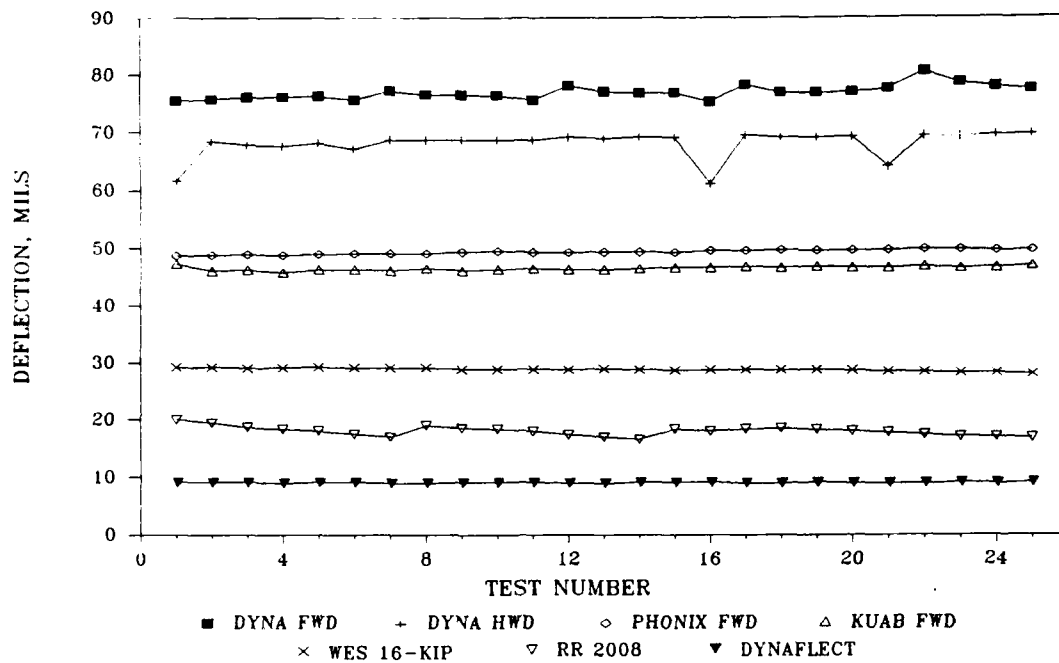


Figure 3. Typical layouts of field testing on AC and PCC

25 TESTS ON AC PAVEMENT



25 TESTS ON PCC PAVEMENT

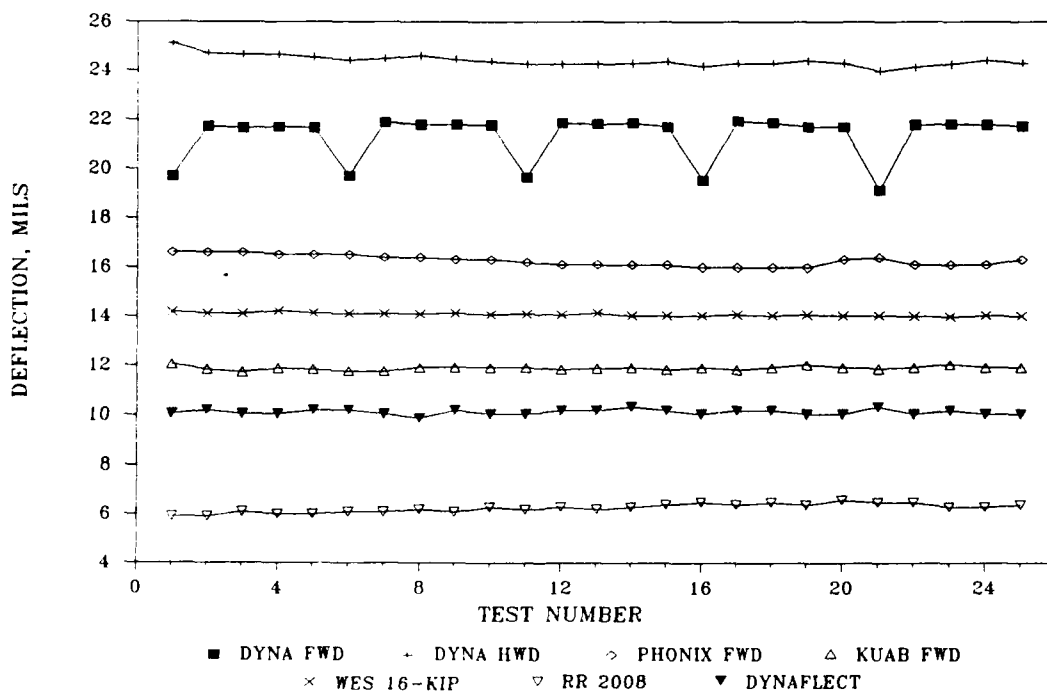


Figure 4. First sensor deflections from short-term repeatability experiment

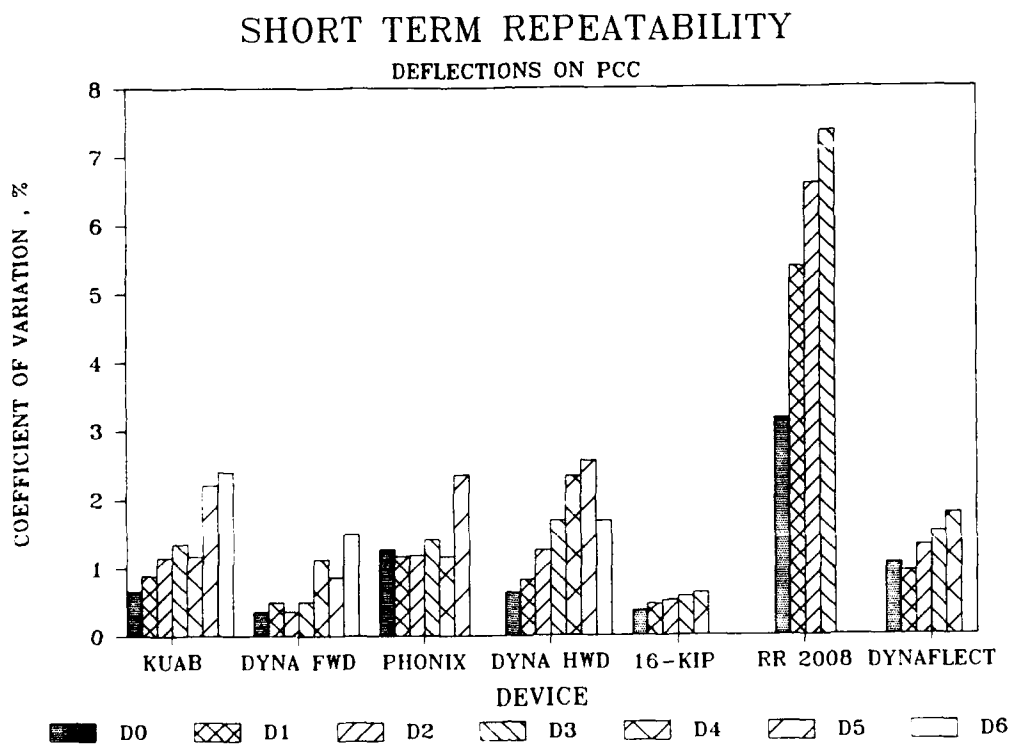
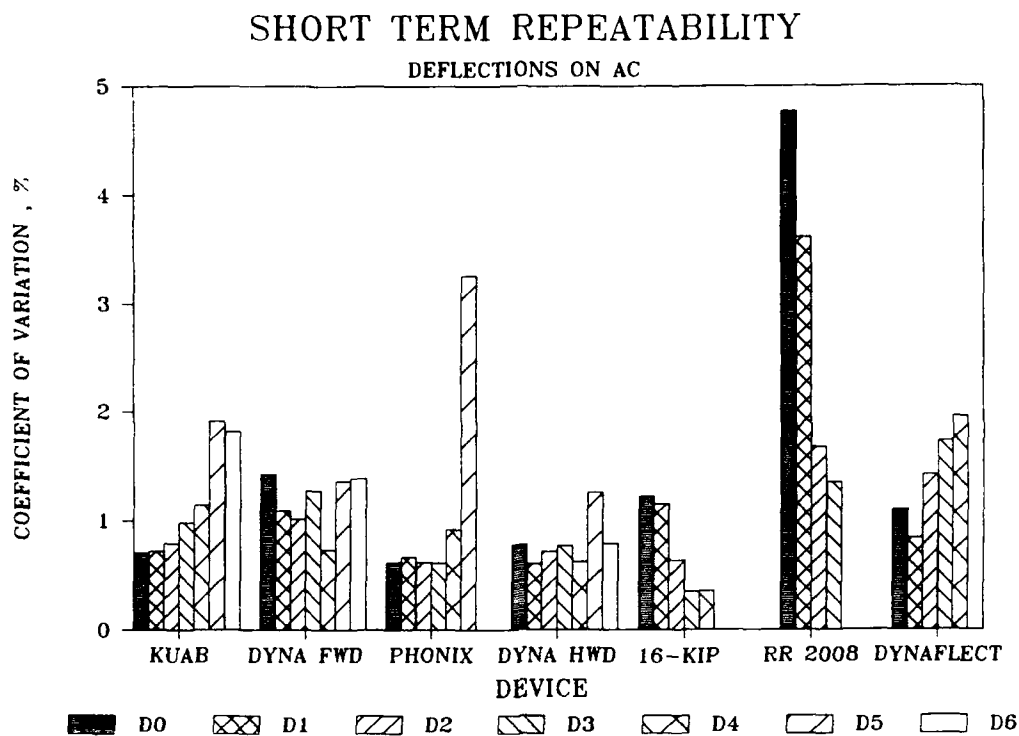


Figure 5. Coefficient of variation of deflections from short-term repeatability experiment

ON-OFF REPEATABILITY

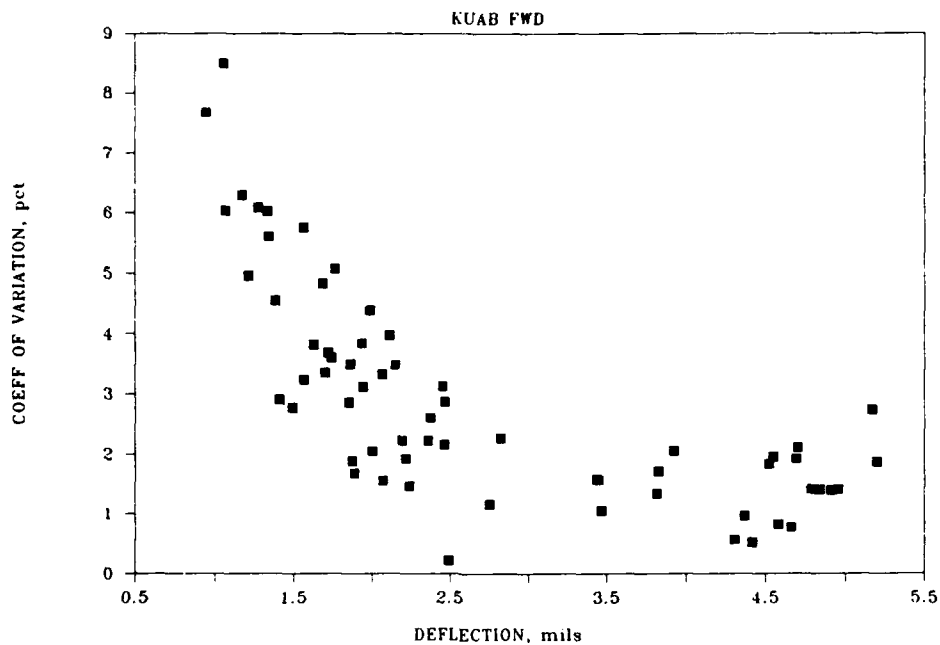


Figure 6. Coefficient of variation of replicate deflections for the Kaub FWD from long-term repeatability experiment

DEFLECTION vs COV

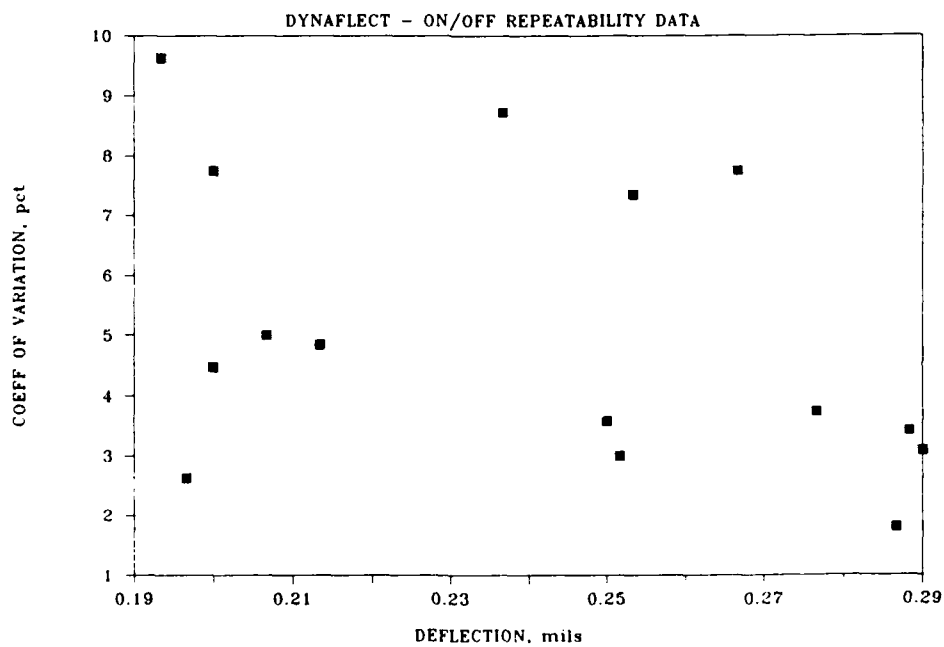


Figure 7. Coefficient of variation of replicate deflections for the Dynaflect from long-term repeatability experiment

ON-OFF REPEATABILITY

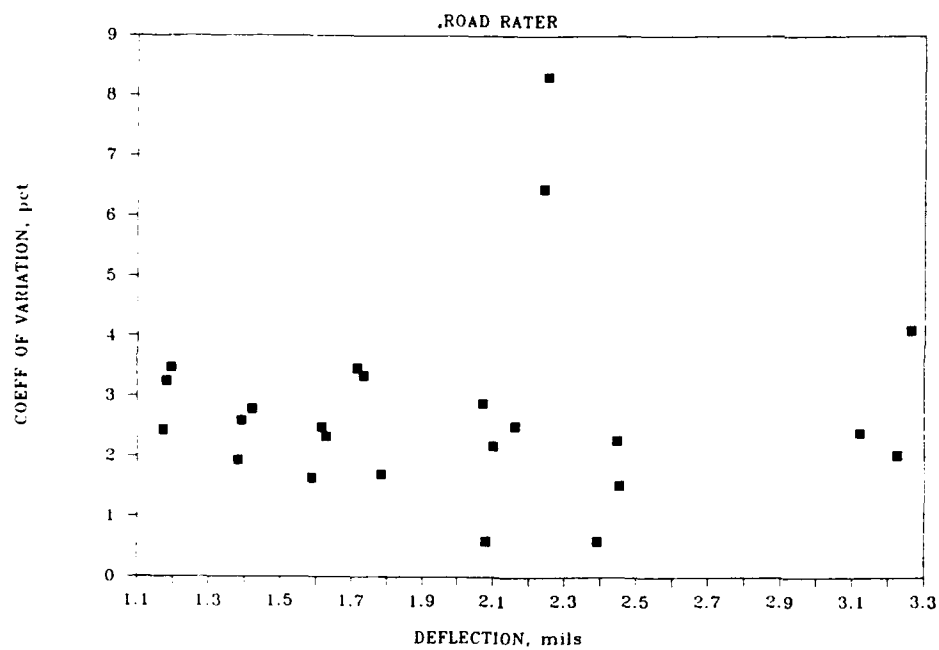


Figure 8. Coefficient of variation of replicate deflections for the Road Rater from long-term repeatability experiment

DEFLECTION vs COV

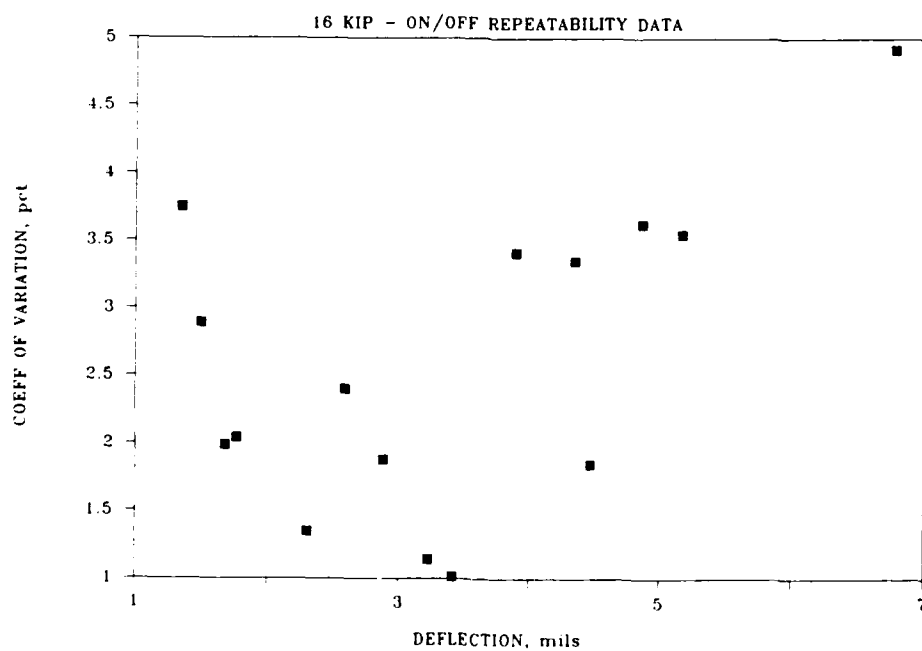


Figure 9. Coefficient of variation of replicate deflections for the WES 16-kip from long-term repeatability experiment

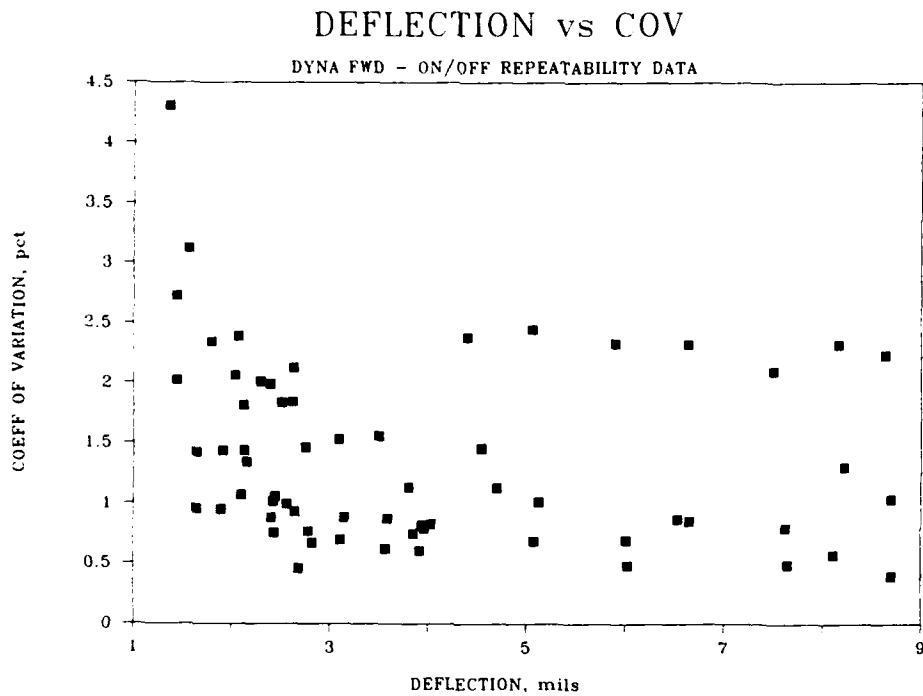


Figure 10. Coefficient of variation of replicate deflections for the Dynatest FWD from long-term repeatability experiment

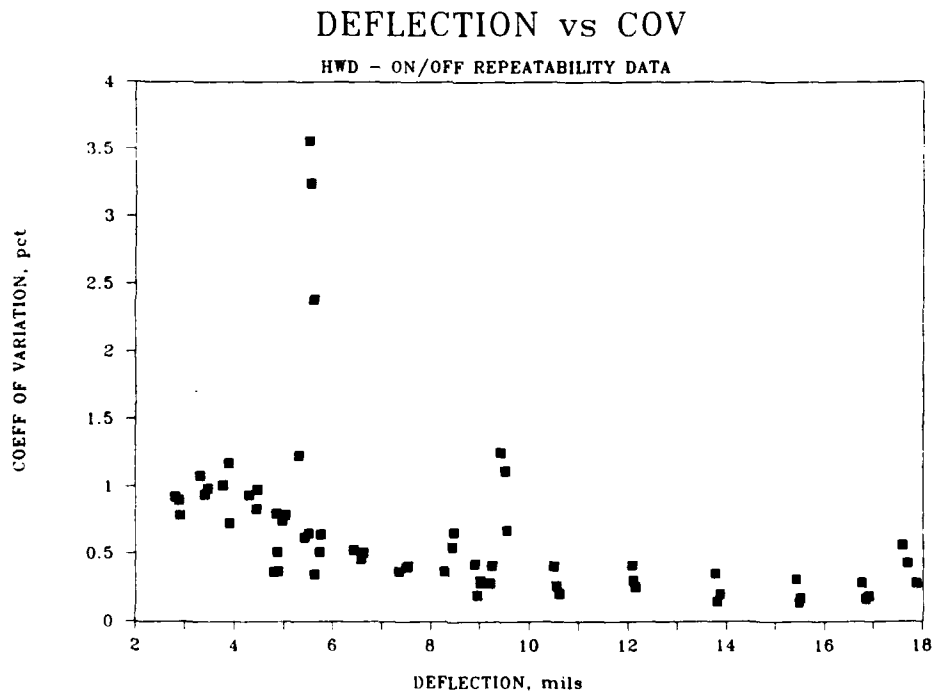


Figure 11. Coefficient of variation of replicate deflections for the Dynatest FWD from long-term repeatability experiment

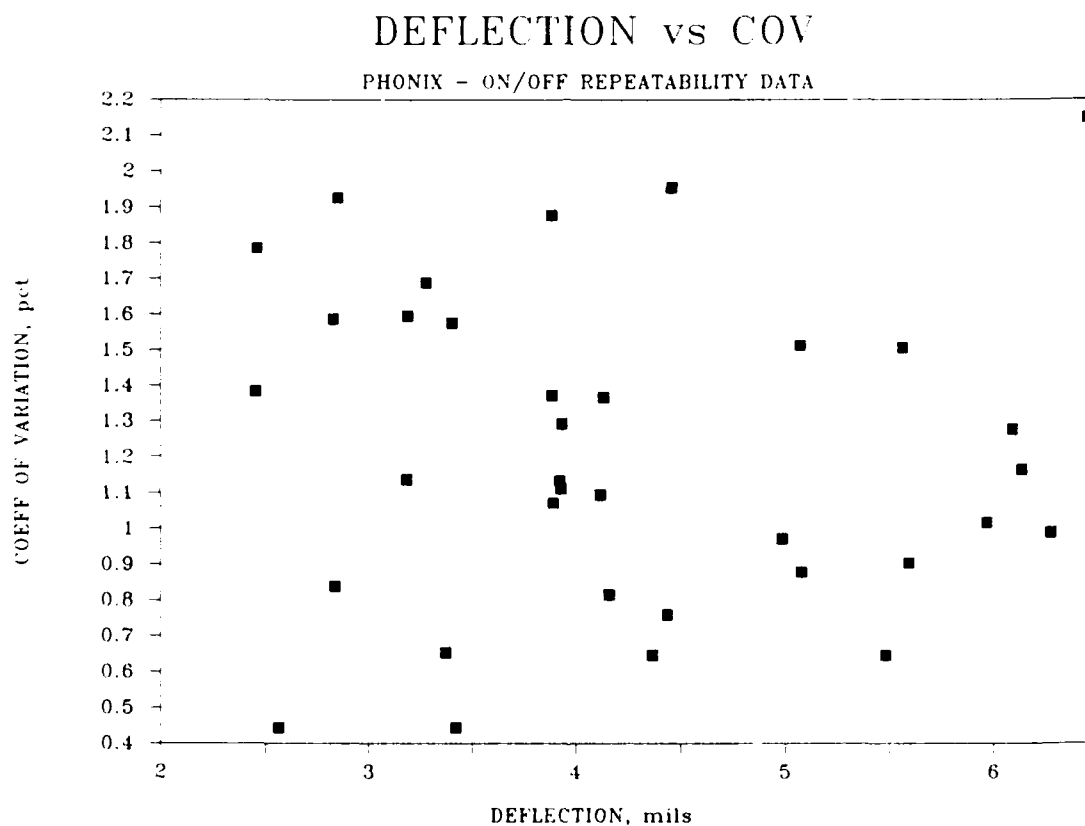


Figure 12. Coefficient of variation of replicate deflections for the Phonix FWD from long-term repeatability experiment

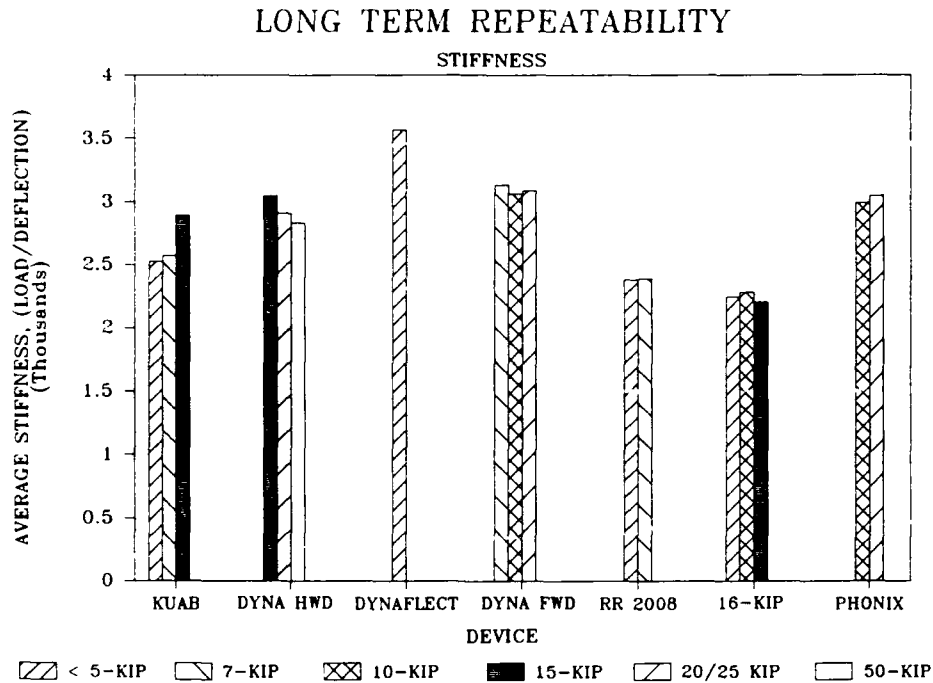


Figure 13. Average stiffness from long-term repeatability experiment

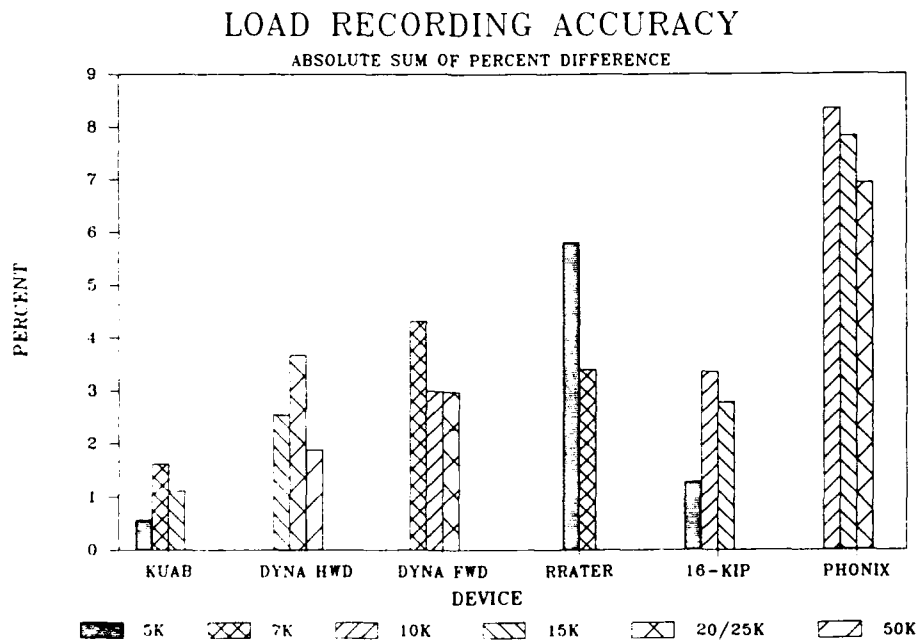


Figure 14. Average of absolute sum of percent difference from load recording accuracy experiment

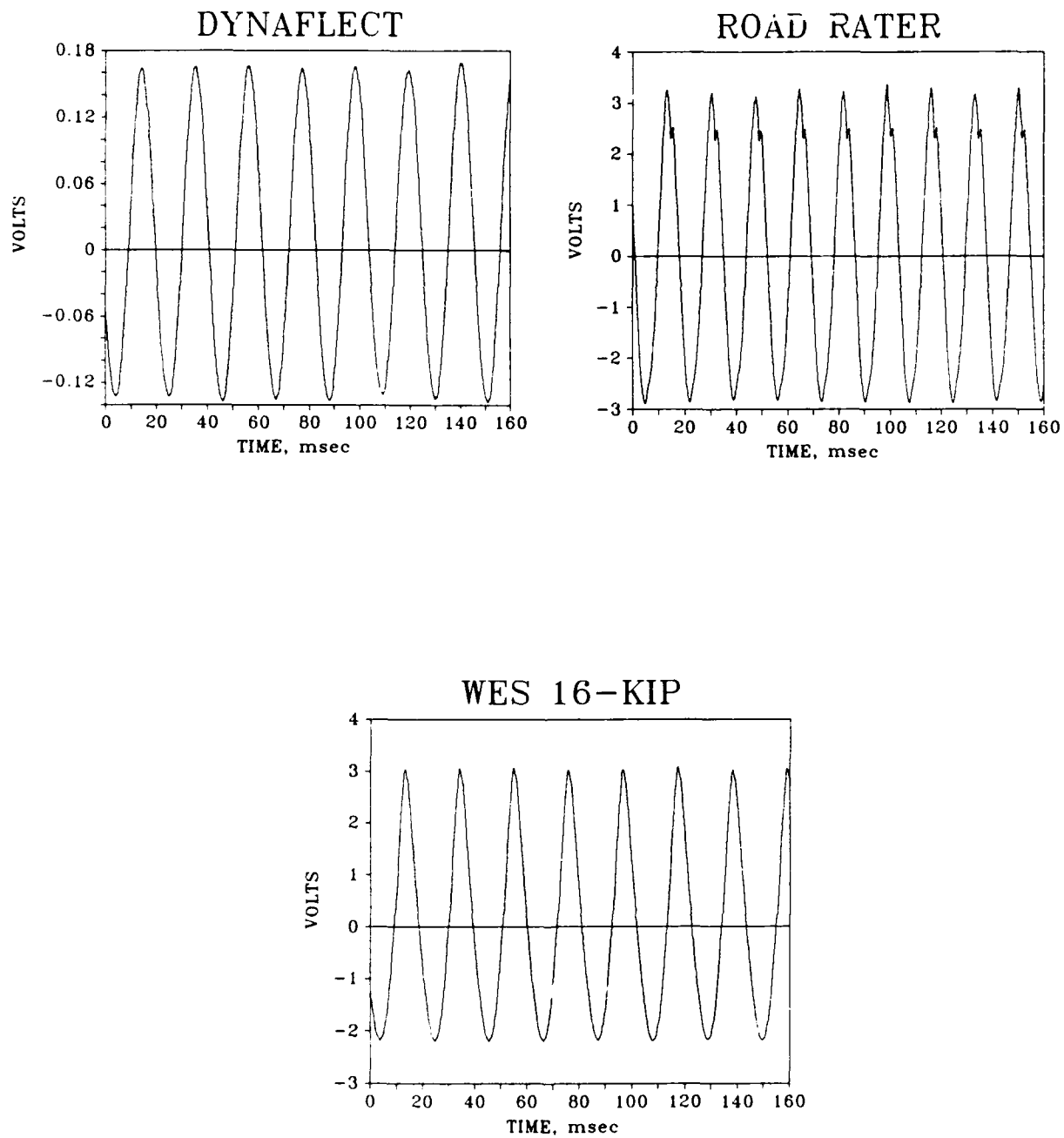


Figure 15. Typical loading wave forms of the vibratory devices

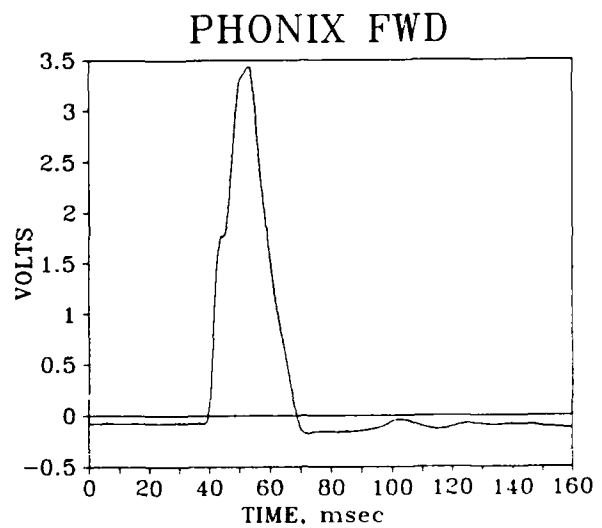
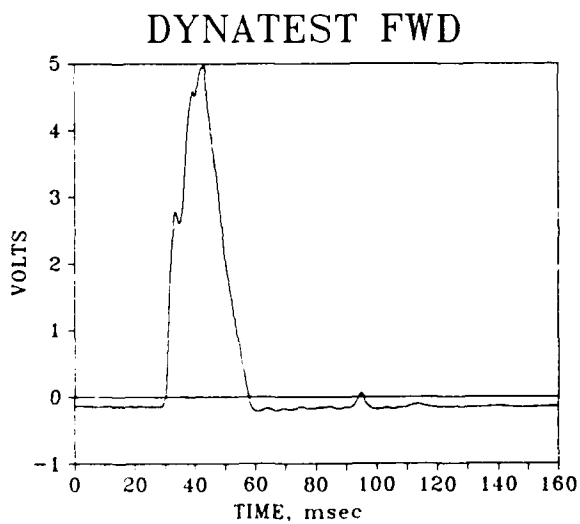
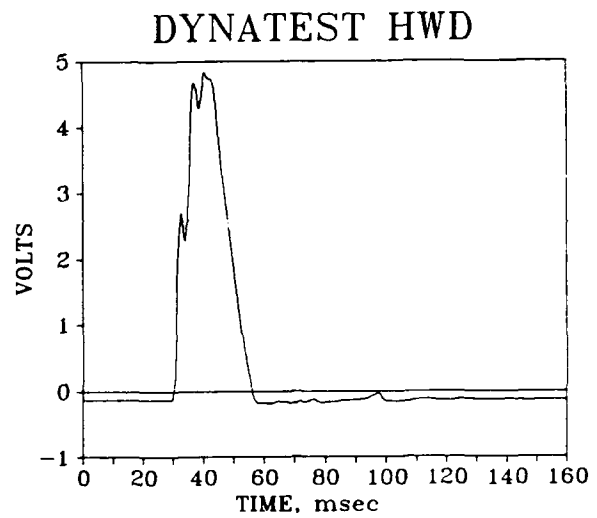
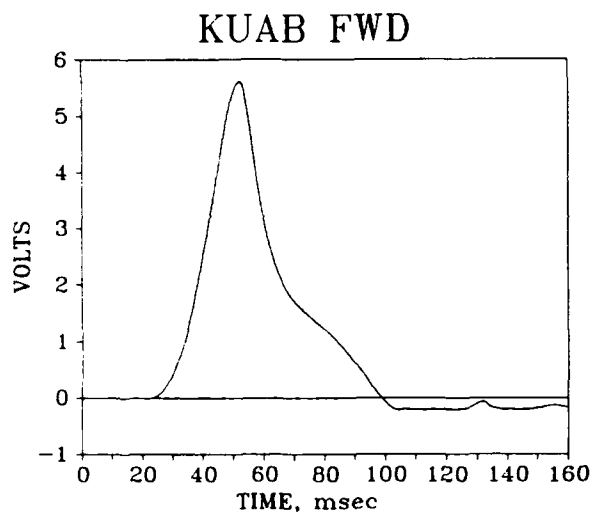


Figure 16. Typical loading pulses of the falling weight devices

SURFACE DEFLECTION TEST

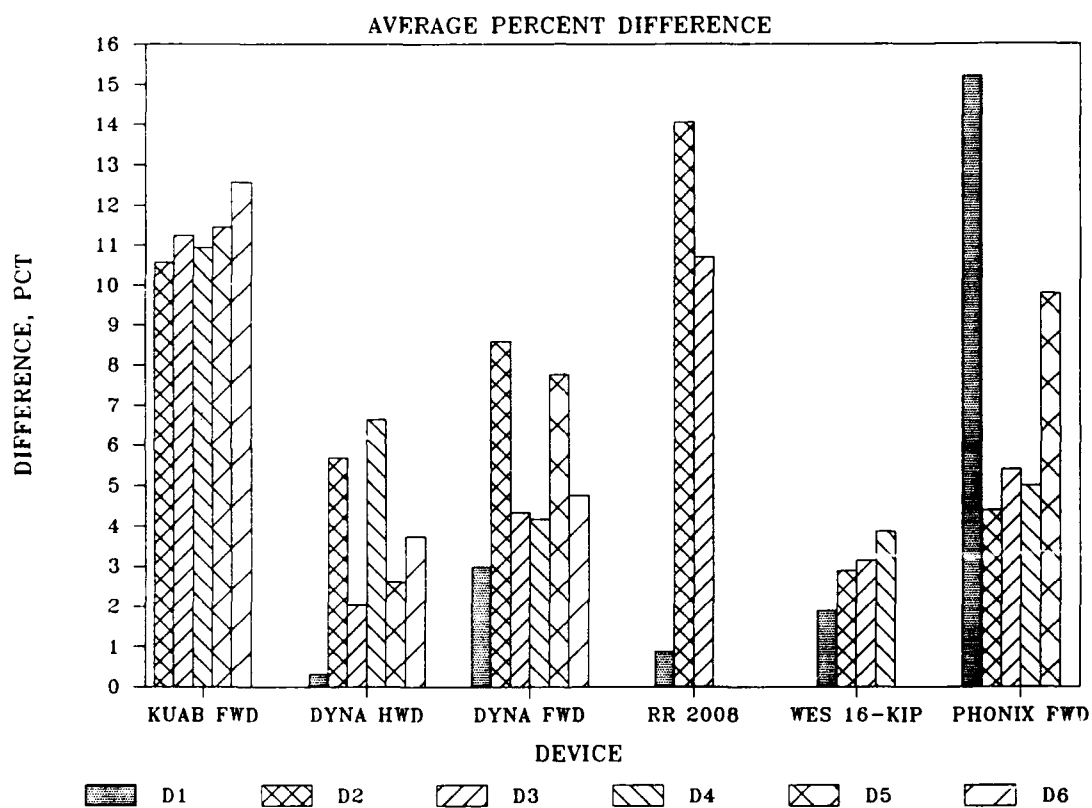


Figure 17. Average of absolute sum of percent difference of deflection from surface deflection equipment

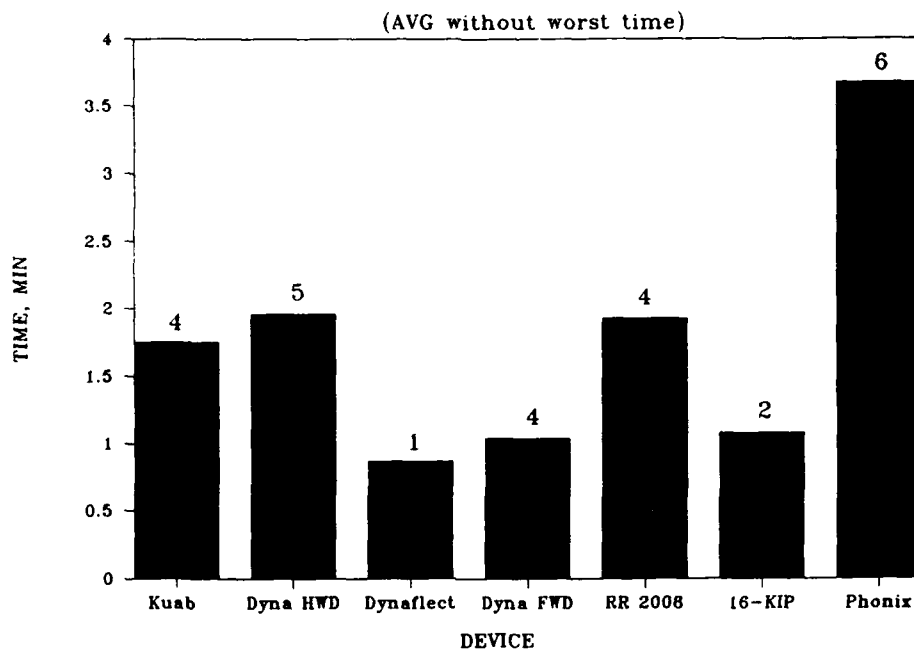


Figure 18. Average time per test location

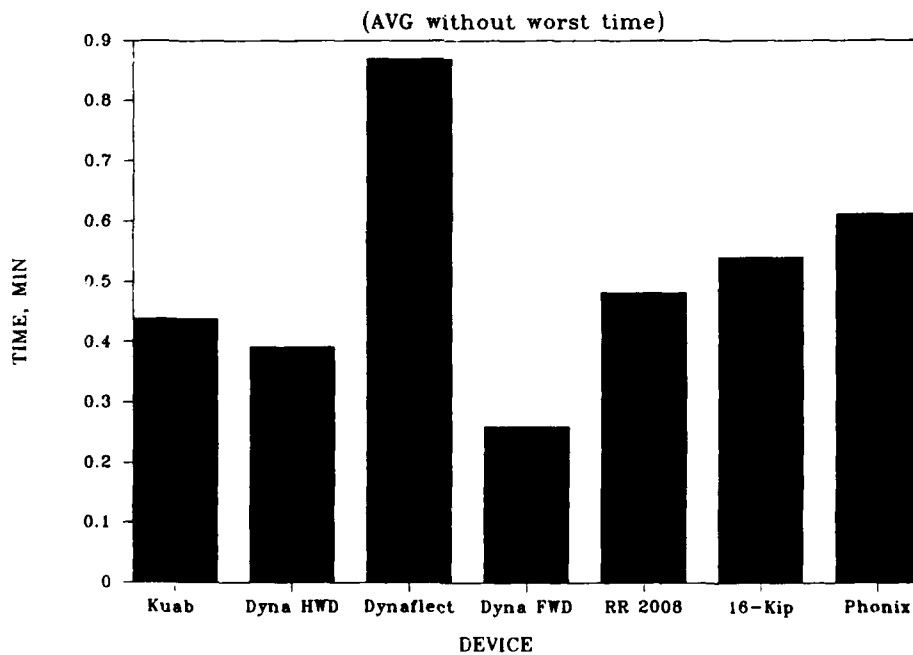


Figure 19. Average time per drop

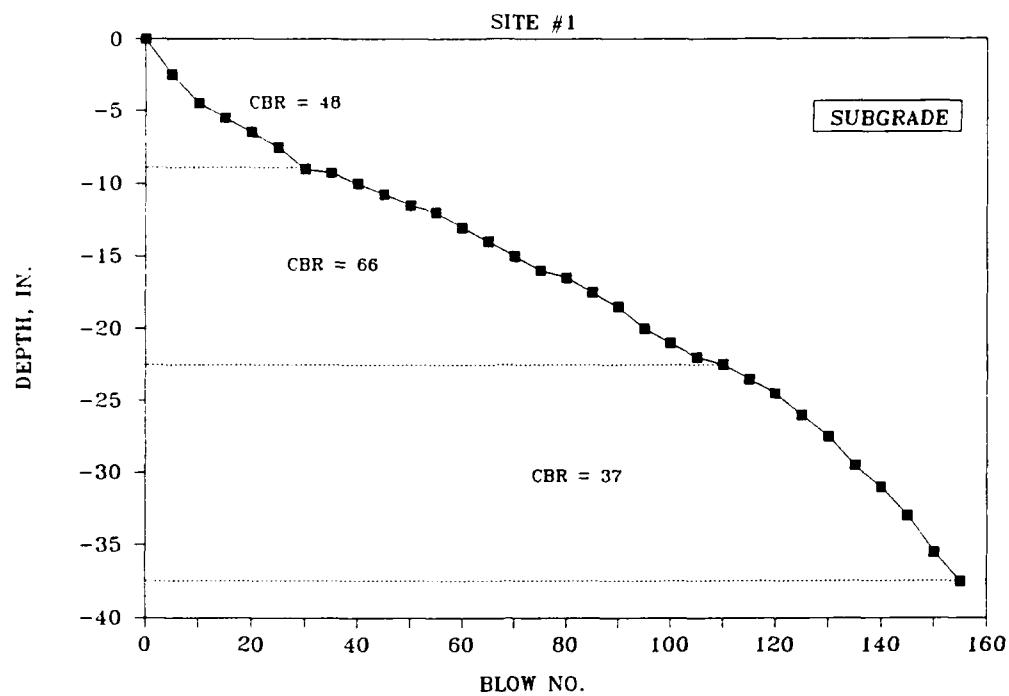


Figure 20. DCP results (Site 1)

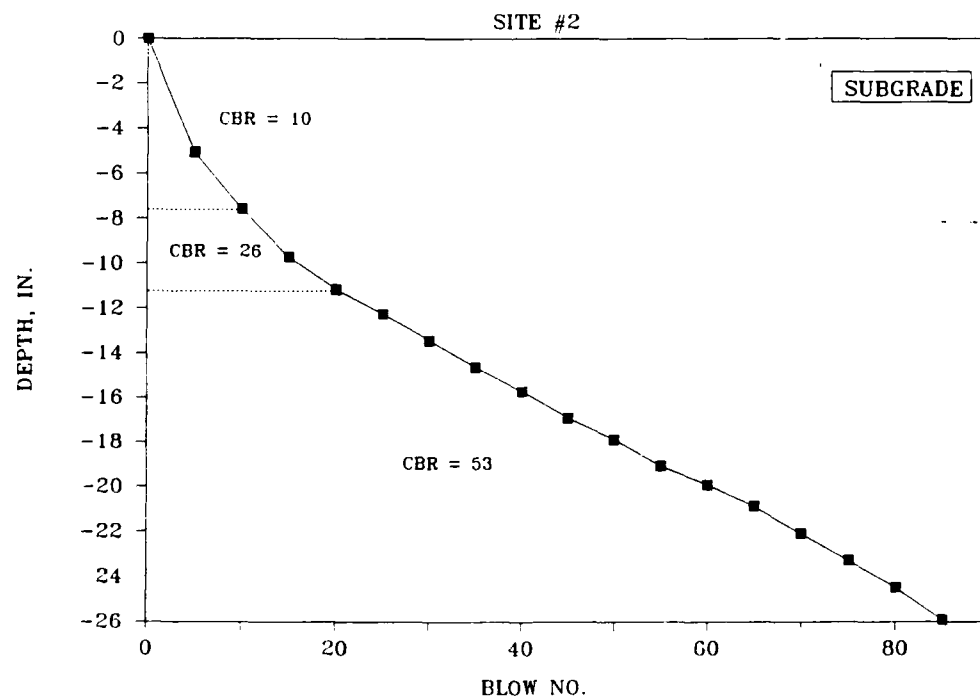


Figure 21. DCP results (Site 2)

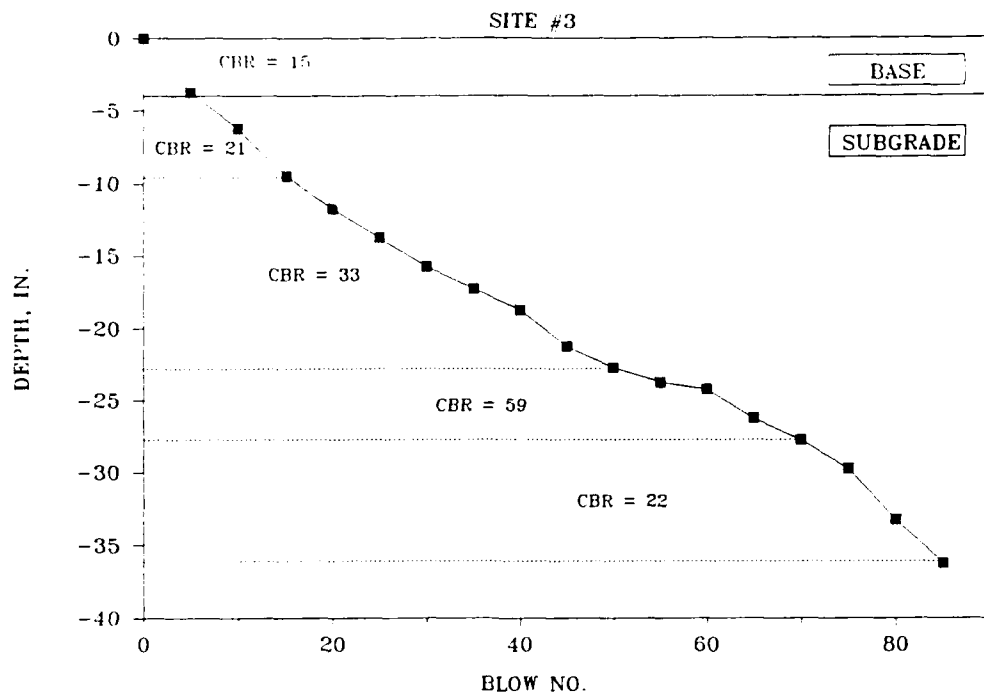


Figure 22. DCP results (Site 3)

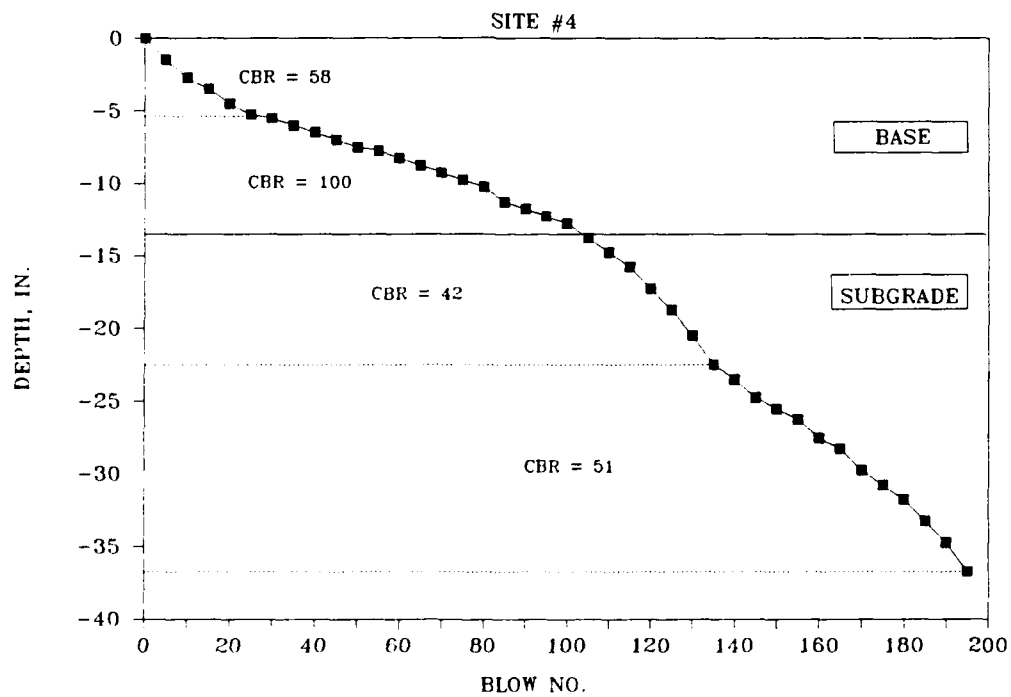


Figure 23. DCP results (Site 4)

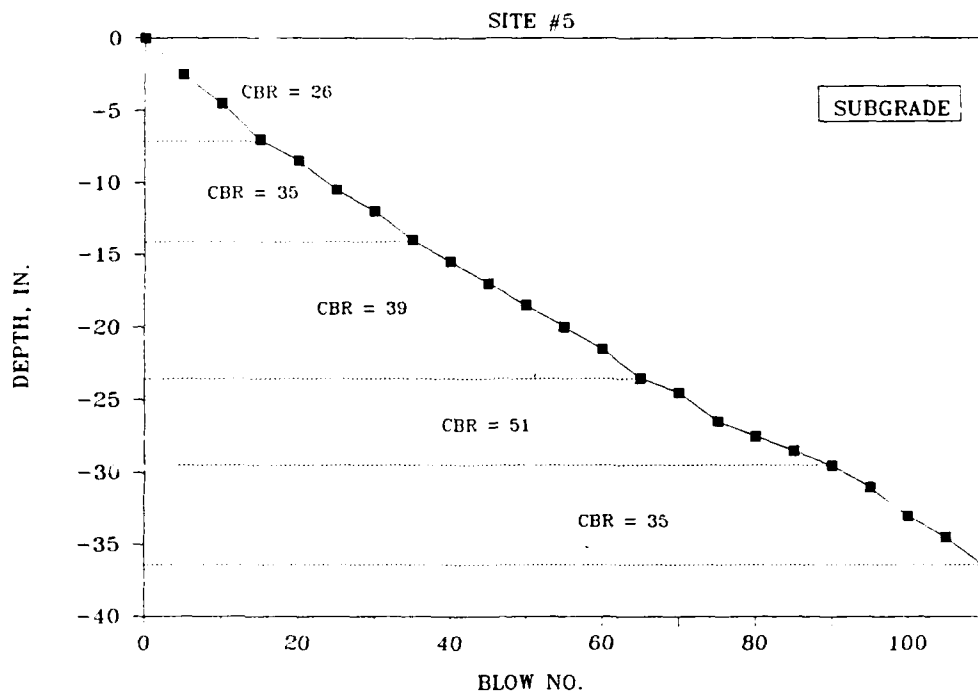


Figure 24. DCP results (Site 5)

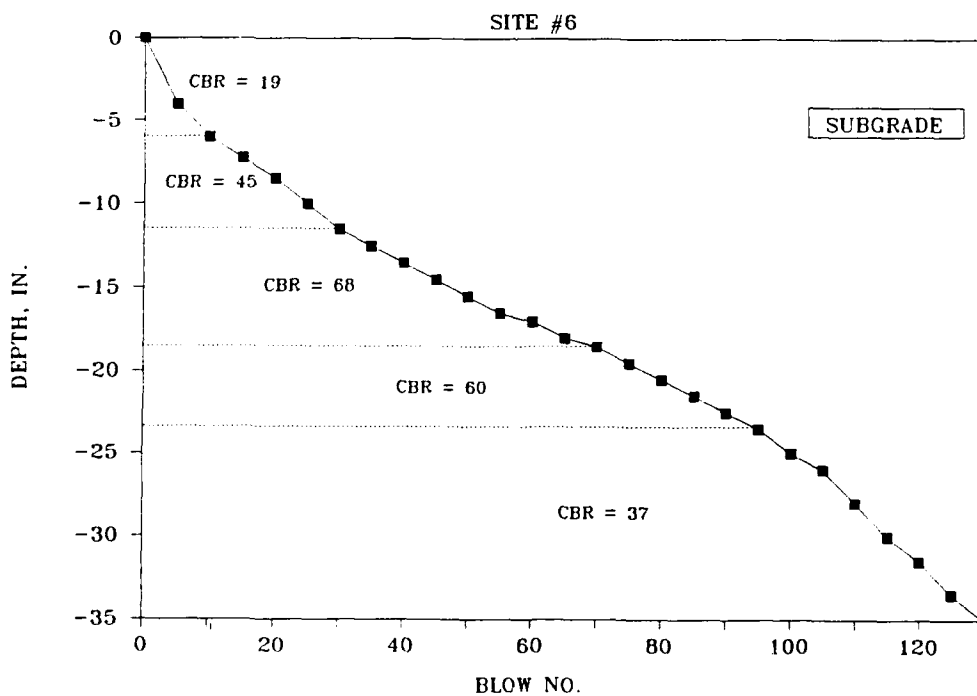


Figure 25. DCP results (Site 6)

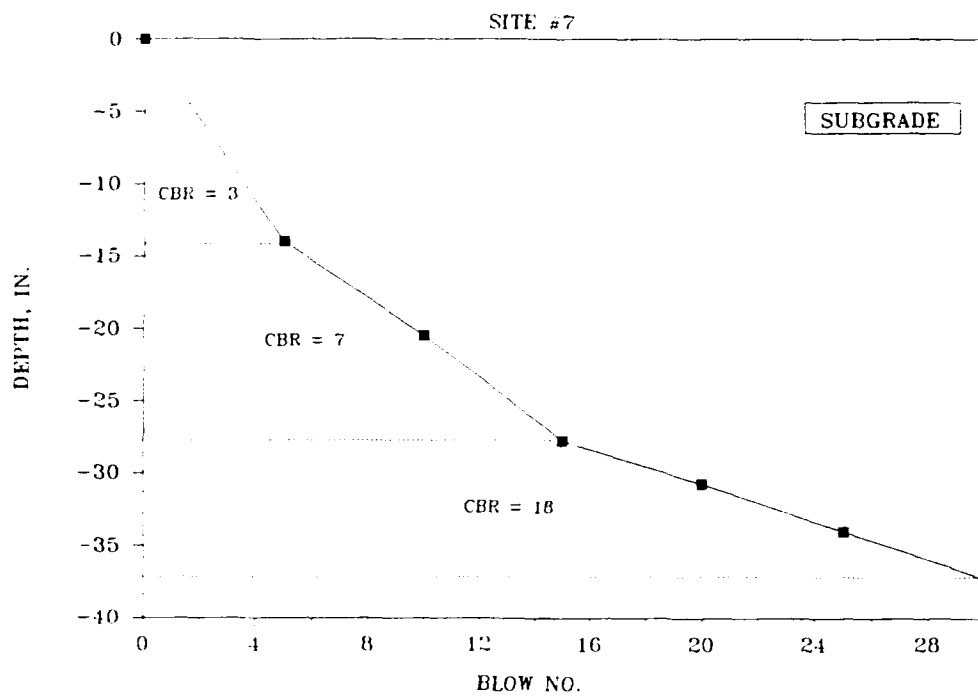


Figure 26. DCP results (Site 7)

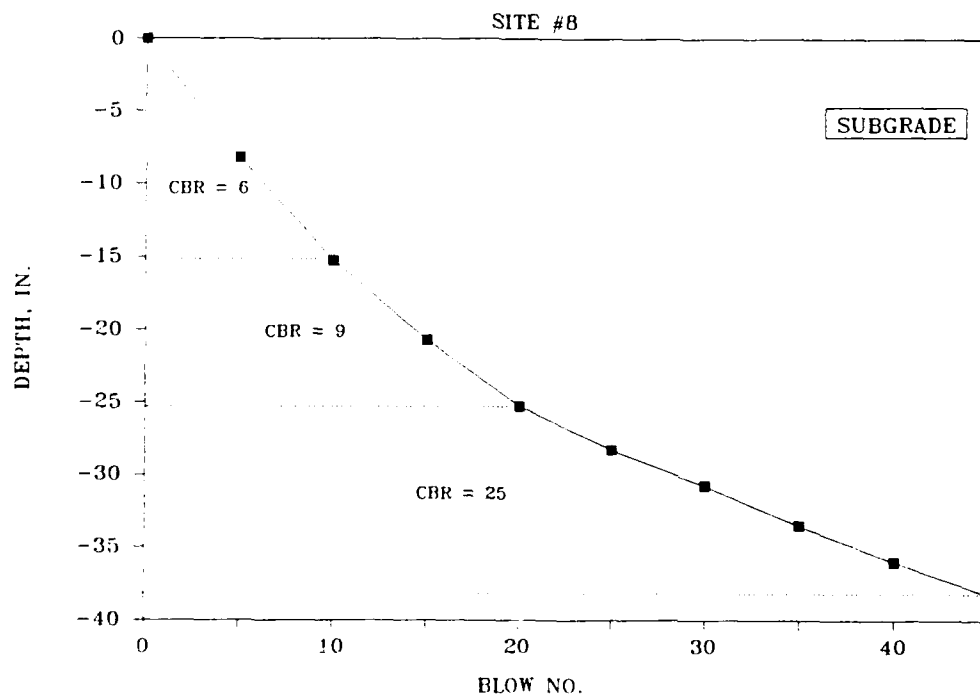
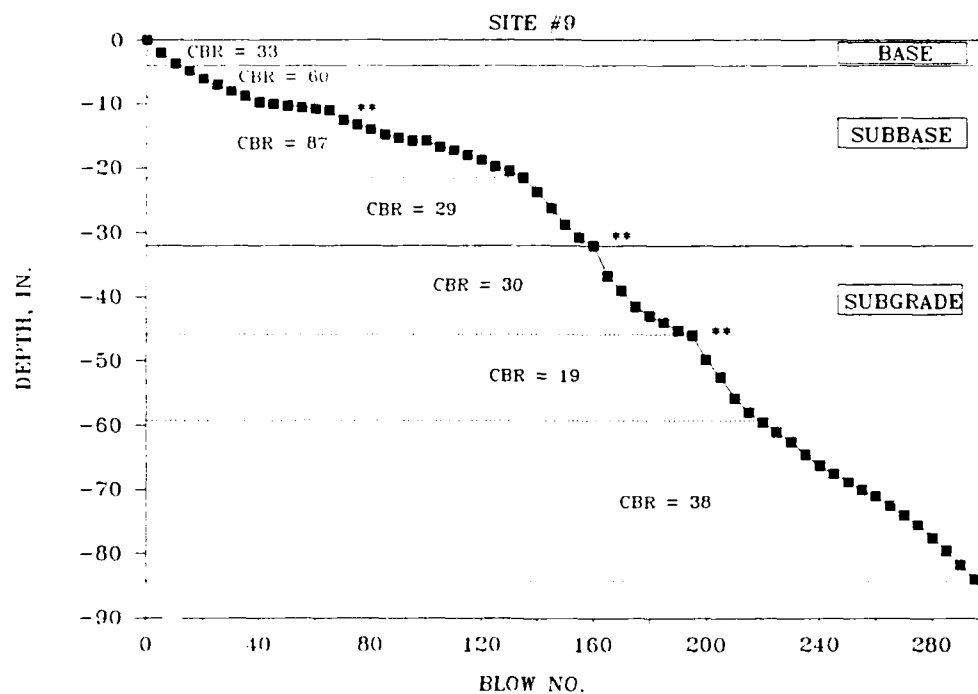


Figure 27. DCP results (Site 8)



** MATERIAL ABOVE WAS REMOVED BEFORE FOLLOWING DCP DATA WAS COLLECTED.

Figure 28. DCP results (Site 9)

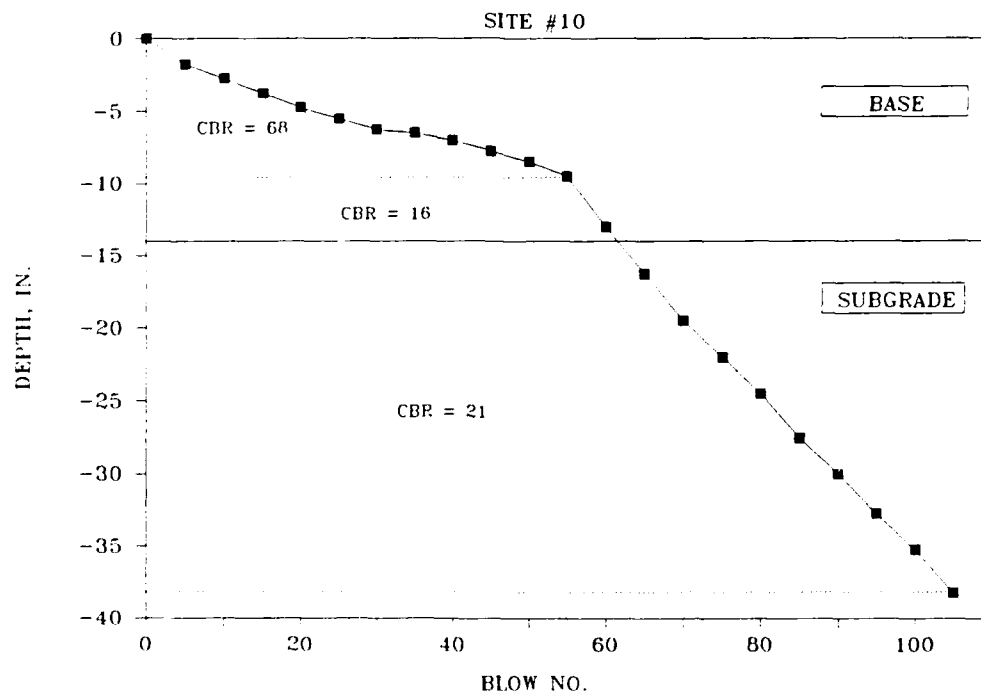


Figure 29. DCP results (Site 10)

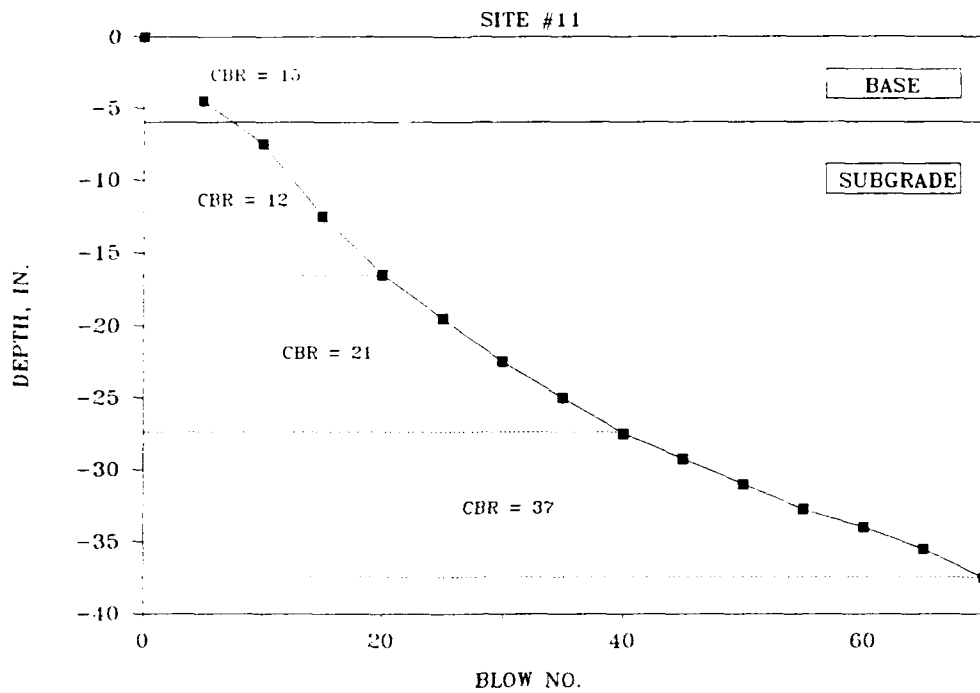


Figure 30. DCP results (Site 11)

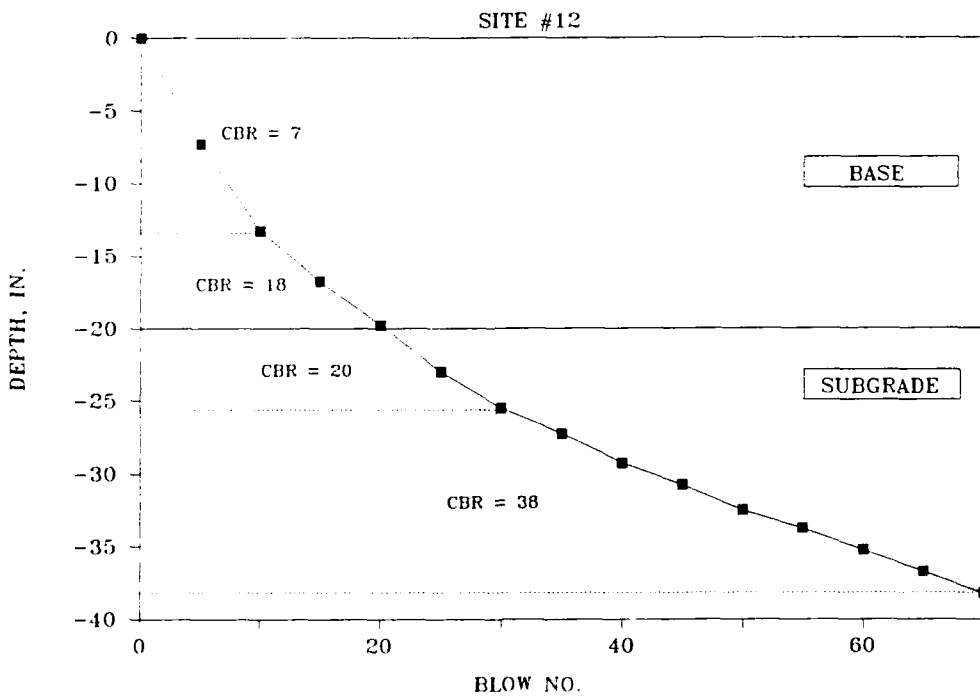


Figure 31. DCP results (Site 12)

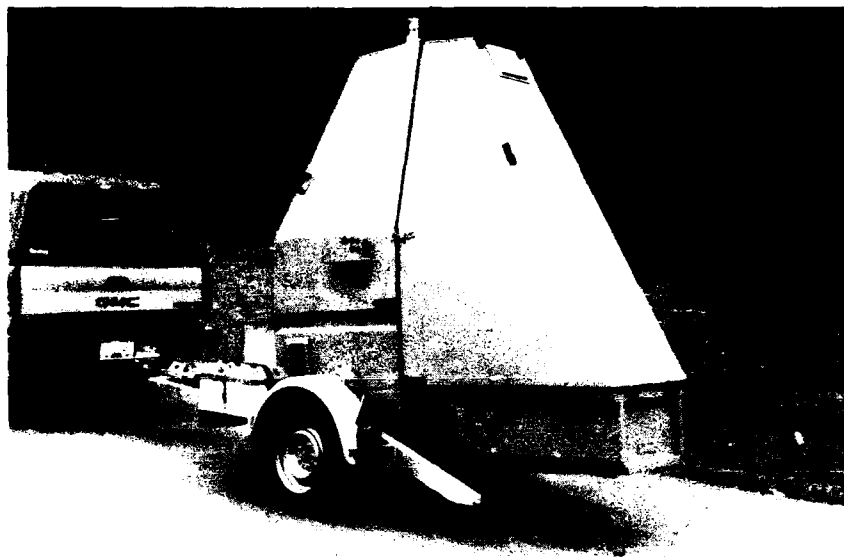


Photo 1. The Kuab Model 50 FWD



Photo 2. View of the Kuab FWD two-mass loading system



Photo 3. The Dynatest Model 8081 HWD

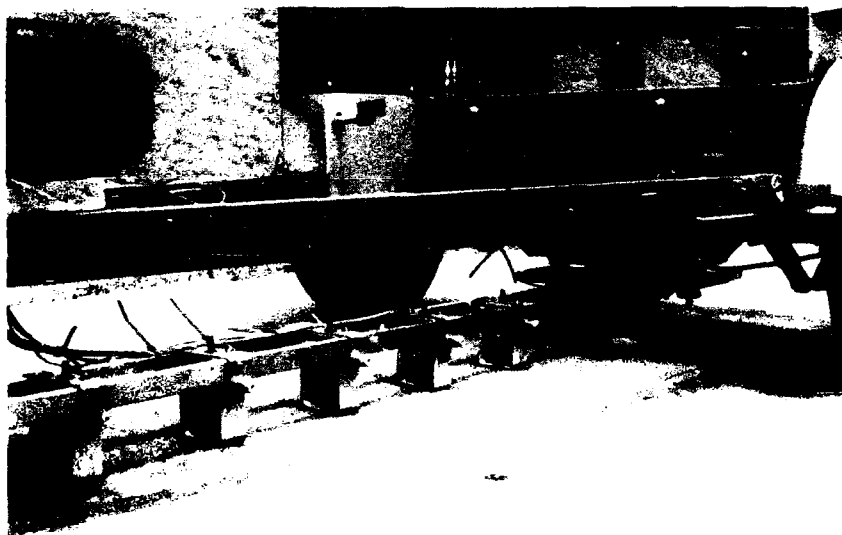


Photo 4. View of the Dynatest HWD loading plate and deflection sensors

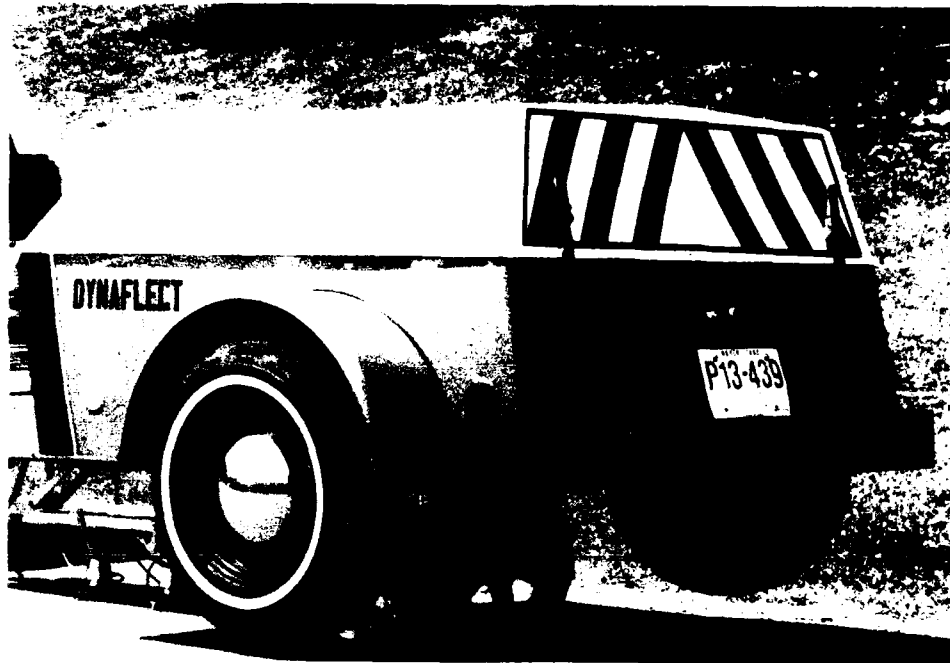


Photo 5. The Dynaflect



Photo 6. View of the Dynaflect loading wheels and deflection sensors

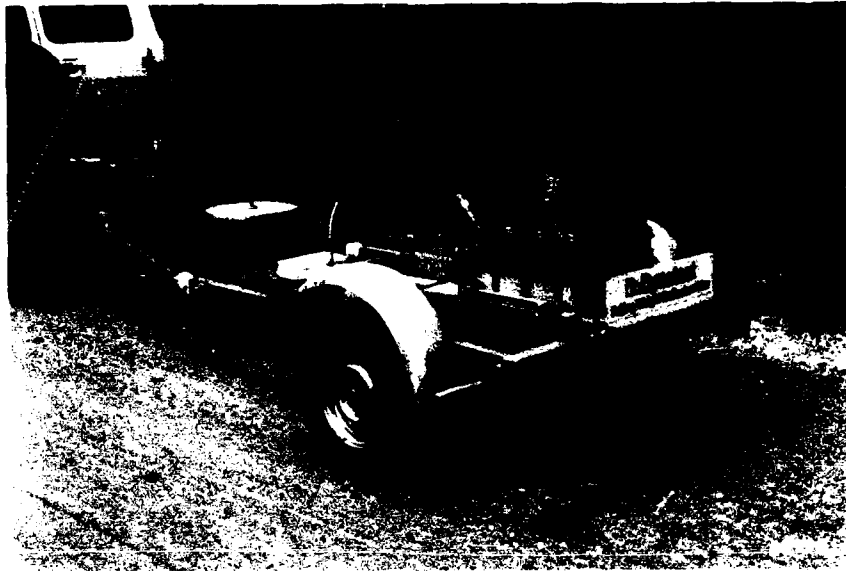


Photo 7. The Dynatest Model 8003 FWD

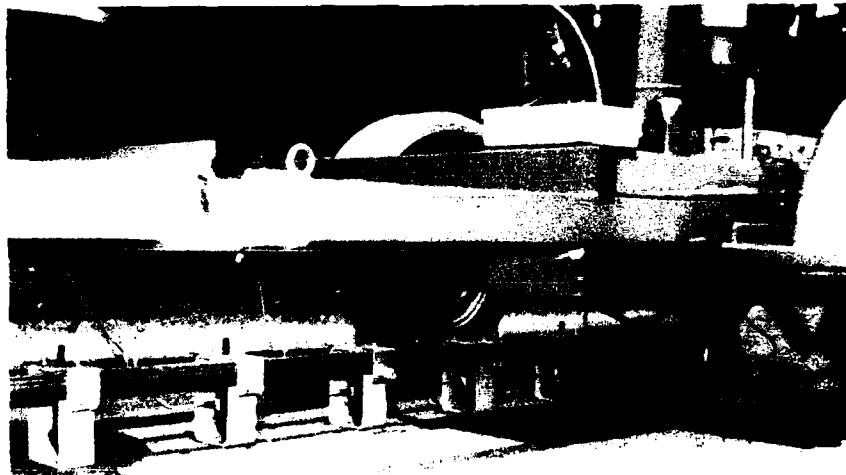


Photo 8. View of the Dynatest FWD loading plate and deflection sensors



Photo 9. The Road Rater Model 2008



Photo 10. View of the Road Rater loading plate and deflection sensors

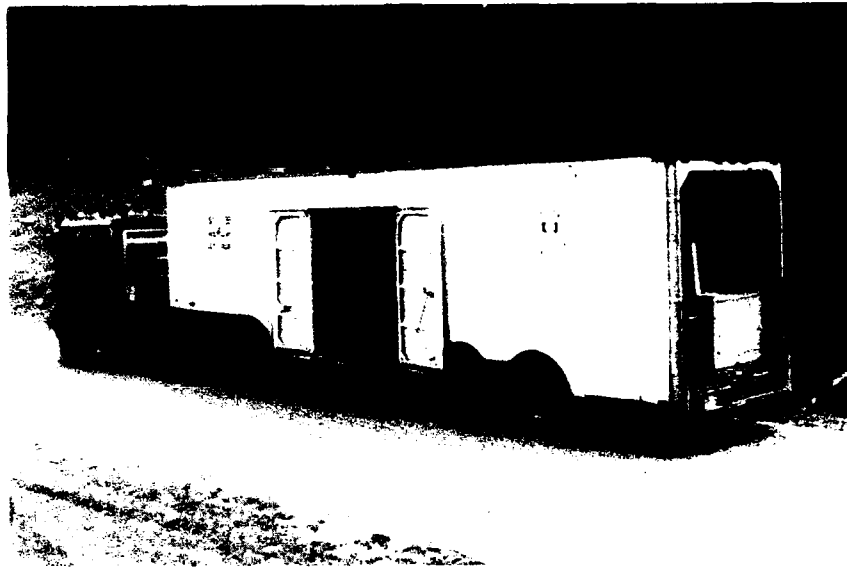


Photo 11. The WES 16-kip vibrator

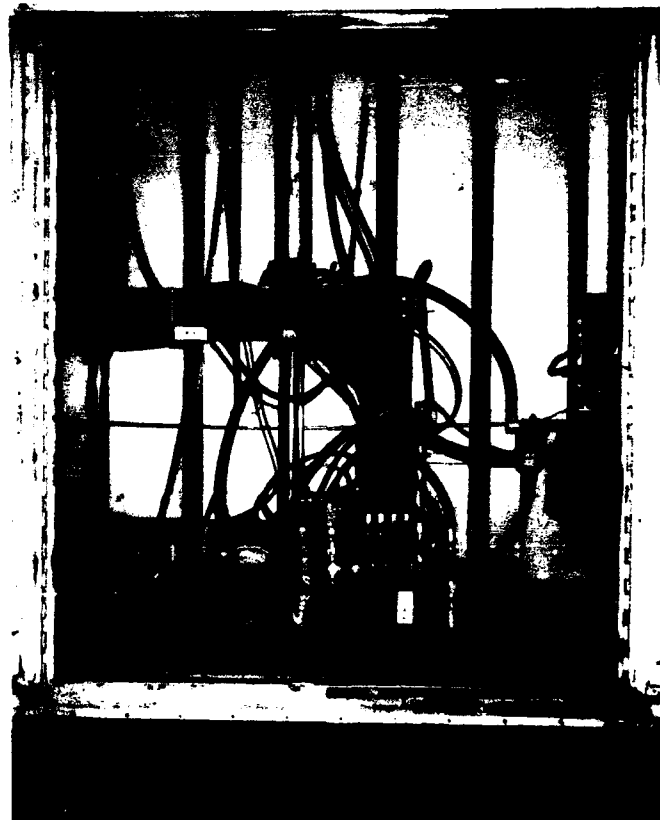


Photo 12. View of WES 16-kip loading plate and deflection sensors

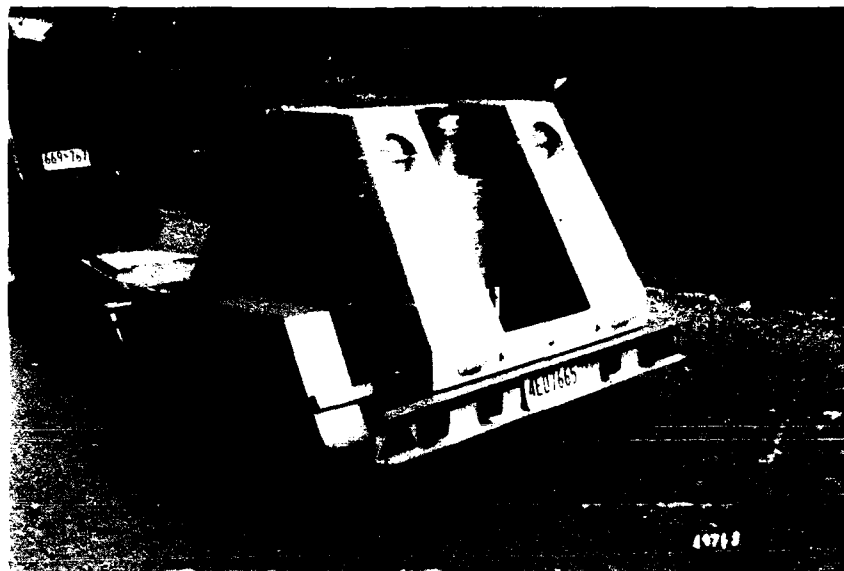


Photo 13. The Phonix ML10000 FWD



Photo 14. View of the Phonix FWD loading plate and deflection sensors

APPENDIX A: REPLICATE TESTING ORDER

REPLICATE TESTING ORDER

BLOCK	REPLI- CATE	RUN	DEVICE	TARGET LOAD KIPS	BLOCK	REPLI- CATE	RUN	DEVICE	TARGET LOAD KIPS
SITE 1									
1	1	1	3	1	1	3	1	5	5
1	1	2	2	15	1	3	2	4	10
1	1	3	1	5	1	3	3	2	10
1	1	4	6	7	1	3	4	3	1
1	1	5	7	15	1	3	5	1	7
1	1	6	6	5	1	3	6	1	5
1	1	7	4	15	1	3	7	2	15
1	1	8	4	10	1	3	8	7	15
1	1	9	2	10	1	3	9	7	10
1	1	10	7	10	1	3	10	6	15
1	1	11	1	7	1	3	11	5	1
1	1	12	5	7	1	3	12	6	5
1	1	13	5	1	1	3	13	5	7
1	1	14	6	15	1	3	14	4	15
1	1	15	1	10	1	3	15	6	10
1	1	16	1	15	1	3	16	1	10
1	1	17	6	10	1	3	17	6	1
1	1	18	5	5	1	3	18	6	7
1	1	19	6	1	1	3	19	1	15
1	2	1	7	15	2	1	1	7	20
1	2	2	5	1	2	1	2	4	25
1	2	3	6	15	2	1	3	2	25
1	2	4	5	7	2	1	4	2	50
1	2	5	6	5	2	2	1	4	25
1	2	6	1	10	2	2	2	7	20
1	2	7	6	7	2	2	3	2	25
1	2	8	1	15	2	2	4	2	50
1	2	9	4	15	2	3	1	4	25
1	2	10	2	10	2	3	2	2	50
1	2	11	6	10	2	3	3	2	25
1	2	12	1	7	2	3	4	7	20
1	2	13	6	1					
1	2	14	4	10					
1	2	15	5	5					
1	2	16	7	10					
1	2	17	1	5					
1	2	18	3	1					
1	2	19	2	15					

SITE 2

1	1	1	7	15	1	3	1	1	7
1	1	2	5	1	1	3	2	2	15
1	1	3	6	15	1	3	3	5	7
1	1	4	5	7	1	3	4	6	15
1	1	5	6	5	1	3	5	1	10
1	1	6	1	10	1	3	6	7	10
1	1	7	6	7	1	3	7	1	15
1	1	8	1	15	1	3	8	7	15
1	1	9	4	15	1	3	9	2	10
1	1	10	2	10	1	3	10	1	5
1	1	11	6	10	1	3	11	5	1
1	1	12	1	7	1	3	12	5	5
1	1	13	6	1	1	3	13	6	5
1	1	14	4	10	1	3	14	6	1
1	1	15	5	5	1	3	15	4	10
1	1	16	7	10	1	3	16	3	1
1	1	17	1	5	1	3	17	4	15
1	1	18	3	1	1	3	18	6	10
1	1	19	2	15	1	3	19	6	7
1	2	1	5	5	2	1	1	2	25
1	2	2	4	10	2	1	2	2	50
1	2	3	2	10	2	1	3	4	25
1	2	4	3	1	2	1	4	7	20
1	2	5	1	7	2	2	1	2	25
1	2	6	1	5	2	2	2	2	50
1	2	7	2	15	2	2	3	4	25
1	2	8	7	15	2	2	4	7	20
1	2	9	7	10	2	3	1	2	50
1	2	10	6	15	2	3	2	7	20
1	2	11	5	1	2	3	3	4	25
1	2	12	6	5	2	3	4	2	25
1	2	13	5	7					
1	2	14	4	15					
1	2	15	6	10					
1	2	16	1	10					
1	2	17	6	1					
1	2	18	6	7					
1	2	19	1	15					

SITE 3

1	1	1	5	5	1	3	1	6	10
1	1	2	4	10	1	3	2	5	5
1	1	3	2	10	1	3	3	6	1
1	1	4	3	1	1	3	4	2	10
1	1	5	1	7	1	3	5	2	15
1	1	6	1	5	1	3	6	4	10
1	1	7	2	15	1	3	7	5	1
1	1	8	7	15	1	3	8	6	5
1	1	9	7	10	1	3	9	4	15
1	1	10	6	15	1	3	10	6	15
1	1	11	5	1	1	3	11	1	7
1	1	12	6	5	1	3	12	7	15
1	1	13	5	7	1	3	13	1	15
1	1	14	4	15	1	3	14	1	5
1	1	15	6	10	1	3	15	5	7
1	1	16	1	10	1	3	16	7	10
1	1	17	6	1	1	3	17	1	10
1	1	18	6	7	1	3	18	3	1
1	1	19	1	15	1	3	19	6	7
1	2	1	1	7	2	1	1	2	25
1	2	2	2	15	2	1	2	2	50
1	2	3	5	7	2	1	3	4	25
1	2	4	6	15	2	1	4	7	20
1	2	5	1	10	2	2	1	2	25
1	2	6	7	10	2	2	2	2	50
1	2	7	1	15	2	2	3	4	25
1	2	8	7	15	2	2	4	7	20
1	2	9	2	10	2	3	1	2	50
1	2	10	1	5	2	3	2	7	20
1	2	11	5	1	2	3	3	2	25
1	2	12	5	5	2	3	3	2	25
1	2	13	6	5			4	4	25
1	2	14	6	1					
1	2	15	4	10					
1	2	16	3	1					
1	2	17	4	15					
1	2	18	6	10					
1	2	19	6	7					

SITE 4

1	1	1	1	7
1	1	2	2	15
1	1	3	5	7
1	1	4	7	10
1	1	5	6	15
1	1	6	1	10
1	1	7	1	15
1	1	8	7	15
1	1	9	2	10
1	1	10	1	5
1	1	11	5	1
1	1	12	5	5
1	1	13	6	5
1	1	14	6	1
1	1	15	4	10
1	1	16	3	1
1	1	17	4	15
1	1	18	6	10
1	1	19	6	7
1	2	1	6	10
1	2	2	5	5
1	2	3	6	1
1	2	4	2	10
1	2	5	2	15
1	2	6	4	10
1	2	7	5	1
1	2	8	6	5
1	2	9	4	15
1	2	10	6	15
1	2	11	1	7
1	2	12	7	15
1	2	13	1	15
1	2	14	1	5
1	2	15	5	7
1	2	16	7	10
1	2	17	1	10
1	2	18	3	1
1	2	19	6	7

1	3	1	6	7
1	3	2	2	10
1	3	3	1	10
1	3	4	6	1
1	3	5	1	15
1	3	6	7	10
1	3	7	4	10
1	3	8	5	7
1	3	9	4	15
1	3	10	4	15
1	3	11	1	7
1	3	12	7	15
1	3	13	1	15
1	3	14	1	5
1	3	15	5	7
1	3	16	7	10
1	3	17	1	10
1	3	18	3	1
1	3	19	6	7
2	1	1	2	25
2	1	2	2	50
2	1	3	4	25
2	1	4	7	20
2	2	1	2	25
2	2	2	2	50
2	2	3	4	25
2	2	4	7	20
2	3	1	4	25
2	3	2	2	25
2	3	3	2	50
2	3	4	7	20

SITE 5

1	1	1	6	10	1	3	1	6	5
1	1	2	5	5	1	3	2	2	10
1	1	3	6	1	1	3	3	6	1
1	1	4	2	10	1	3	4	5	1
1	1	5	2	15	1	3	5	2	15
1	1	6	4	10	1	3	6	1	10
1	1	7	5	1	1	3	7	5	5
1	1	8	6	5	1	3	8	3	1
1	1	9	4	15	1	3	9	5	7
1	1	10	6	15	1	3	10	1	7
1	1	11	1	7	1	3	11	6	7
1	1	12	7	15	1	3	12	6	15
1	1	13	1	15	1	3	13	7	15
1	1	14	1	5	1	3	14	6	10
1	1	15	5	7	1	3	15	4	10
1	1	16	7	10	1	3	16	1	5
1	1	17	1	10	1	3	17	4	15
1	1	18	3	1	1	3	18	7	10
1	1	19	6	7	1	3	19	1	15
1	2	1	6	7	2	1	1	2	25
1	2	2	2	10	2	1	2	2	50
1	2	3	1	10	2	1	3	4	25
1	2	4	6	1	2	1	4	7	20
1	2	5	1	15	2	2	1	2	25
1	2	6	7	10	2	2	2	2	50
1	2	7	4	10	2	2	3	4	25
1	2	8	5	7	2	2	4	7	20
1	2	9	2	15	2	3	1	2	25
1	2	10	4	15	2	3	2	2	50
1	2	11	6	15	2	3	3	7	20
1	2	12	5	1	2	3	4	4	25
1	2	13	5	5					
1	2	14	7	15					
1	2	15	6	5					
1	2	16	3	1					
1	2	17	1	7					
1	2	18	1	5					
1	2	19	6	10					

SITE 6

1	1	1	6	7	1	3	1	5	1
1	1	2	2	10	1	3	2	7	10
1	1	3	1	10	1	3	3	2	10
1	1	4	6	1	1	3	4	6	5
1	1	5	1	15	1	3	5	6	10
1	1	6	7	10	1	3	6	1	5
1	1	7	4	10	1	3	7	1	15
1	1	8	5	7	1	3	8	7	15
1	1	9	2	15	1	3	9	6	7
1	1	10	4	15	1	3	10	2	15
1	1	11	6	15	1	3	11	1	10
1	1	12	5	1	1	3	12	4	10
1	1	13	5	5	1	3	13	1	7
1	1	14	7	15	1	3	14	5	7
1	1	15	6	5	1	3	15	4	15
1	1	16	3	1	1	3	16	3	1
1	1	17	1	7	1	3	17	5	5
1	1	18	1	5	1	3	18	6	1
1	1	19	6	10	1	3	19	6	15
1	2	1	6	5	2	1	1	2	25
1	2	2	2	10	2	1	2	2	50
1	2	3	6	1	2	1	3	4	25
1	2	4	5	1	2	1	4	7	20
1	2	5	2	15	2	2	1	2	25
1	2	6	1	10	2	2	2	2	50
1	2	7	5	5	2	2	3	4	25
1	2	8	3	1	2	2	4	7	20
1	2	9	5	7	2	3	1	7	20
1	2	10	1	7	2	3	2	4	25
1	2	11	6	7	2	3	3	2	25
1	2	12	6	15	2	3	4	2	50
1	2	13	7	15					
1	2	14	6	10					
1	2	15	4	10					
1	2	16	1	5					
1	2	17	4	15					
1	2	18	7	10					
1	2	19	1	15					

SITE 7

1	1	1	6	5
1	1	2	2	10
1	1	3	6	1
1	1	4	5	1
1	1	5	2	15
1	1	6	1	10
1	1	7	5	5
1	1	8	3	1
1	1	9	5	7
1	1	10	1	7
1	1	11	6	7
1	1	12	6	15
1	1	13	7	15
1	1	14	6	10
1	1	15	4	10
1	1	16	1	5
1	1	17	4	15
1	1	18	7	10
1	1	19	1	15
1	2	1	5	1
1	2	2	7	10
1	2	3	2	10
1	2	4	6	5
1	2	5	6	10
1	2	6	1	5
1	2	7	1	15
1	2	8	7	15
1	2	9	6	7
1	2	10	2	15
1	2	11	1	10
1	2	12	4	15
1	2	13	1	7
1	2	14	5	7
1	2	15	4	10
1	2	16	3	1
1	2	17	5	5
1	2	18	6	1
1	2	19	6	15

1	3	1	7	10
1	3	2	6	10
1	3	3	4	10
1	3	4	1	5
1	3	5	6	15
1	3	6	6	1
1	3	7	2	10
1	3	8	1	10
1	3	9	1	15
1	3	10	6	7
1	3	11	5	7
1	3	12	3	1
1	3	13	2	15
1	3	14	1	7
1	3	15	6	5
1	3	16	5	1
1	3	17	5	5
1	3	18	7	15
1	3	19	4	15
2	1	1	2	25
2	1	2	2	50
2	1	3	4	25
2	1	4	7	20
2	2	1	2	25
2	2	2	2	50
2	2	3	4	25
2	2	4	7	20
2	3	1	7	20
2	3	2	2	50
2	3	3	4	25
2	3	4	2	25

SITE 8

1	1	1	5	1	1	3	1	6	5
1	1	2	7	10	1	3	2	4	10
1	1	3	2	10	1	3	3	5	1
1	1	4	6	5	1	3	4	6	7
1	1	5	6	10	1	3	5	2	15
1	1	6	1	5	1	3	6	2	10
1	1	7	1	15	1	3	7	1	10
1	1	8	7	15	1	3	8	1	7
1	1	9	6	7	1	3	9	6	15
1	1	10	2	15	1	3	10	6	1
1	1	11	1	10	1	3	11	4	15
1	1	12	4	10	1	3	12	7	15
1	1	13	1	7	1	3	13	5	5
1	1	14	5	7	1	3	14	1	15
1	1	15	4	15	1	3	15	1	5
1	1	16	3	1	1	3	16	7	10
1	1	17	5	5	1	3	17	5	7
1	1	18	6	1	1	3	18	3	1
1	1	19	6	15	1	3	19	6	10
1	2	1	7	10	2	1	1	2	25
1	2	2	6	10	2	1	2	2	50
1	2	3	4	10	2	1	3	4	25
1	2	4	1	5	2	1	4	7	20
1	2	5	6	15	2	2	1	2	25
1	2	6	6	1	2	2	2	2	50
1	2	7	2	10	2	2	3	4	25
1	2	8	1	10	2	2	4	7	20
1	2	9	1	15	2	3	1	4	25
1	2	10	6	7	2	3	2	7	20
1	2	11	5	1	2	3	3	2	25
1	2	12	3	1	2	3	4	2	50
1	2	13	2	15					
1	2	14	1	7					
1	2	15	6	5					
1	2	16	5	7					
1	2	17	5	5					
1	2	18	7	15					
1	2	19	4	15					

SITE 9

1	1	1	7	10	1	3	1	4	10
1	1	2	6	10	1	3	2	6	1
1	1	3	4	10	1	3	3	6	7
1	1	4	1	5	1	3	4	6	5
1	1	5	6	15	1	3	5	5	1
1	1	6	6	1	1	3	6	5	7
1	1	7	2	10	1	3	7	1	15
1	1	8	1	10	1	3	8	2	10
1	1	9	1	15	1	3	9	2	15
1	1	10	6	7	1	3	10	1	7
1	1	11	5	1	1	3	11	7	10
1	1	12	3	1	1	3	12	6	10
1	1	13	2	15	1	3	13	7	15
1	1	14	1	7	1	3	14	5	5
1	1	15	6	5	1	3	15	6	15
1	1	16	5	7	1	3	16	1	10
1	1	17	5	5	1	3	17	1	5
1	1	18	7	15	1	3	18	4	15
1	1	19	4	15	1	3	19	3	1
1	2	1	6	5	2	1	1	2	25
1	2	2	4	10	2	1	2	2	50
1	2	3	5	1	2	1	3	4	25
1	2	4	6	7	2	1	4	7	20
1	2	5	2	15	2	2	1	2	25
1	2	6	2	10	2	2	2	2	50
1	2	7	1	10	2	2	3	4	25
1	2	8	1	7	2	2	4	7	20
1	2	9	6	15	2	3	1	2	50
1	2	10	6	1	2	3	2	4	25
1	2	11	4	15	2	3	3	2	25
1	2	12	7	15	2	3	4	7	20
1	2	13	5	5					
1	2	14	1	15					
1	2	15	1	5					
1	2	16	7	10					
1	2	17	5	7					
1	2	18	3	1					
1	2	19	6	10					

SITE 10

1	1	1	6	5	1	3	1	1	15
1	1	2	4	10	1	3	2	4	10
1	1	3	5	1	1	3	3	6	1
1	1	4	6	7	1	3	4	1	5
1	1	5	2	15	1	3	5	1	7
1	1	6	2	10	1	3	6	7	15
1	1	7	1	10	1	3	7	6	5
1	1	8	1	7	1	3	8	5	7
1	1	9	6	15	1	3	9	2	15
1	1	10	6	1	1	3	10	5	5
1	1	11	4	15	1	3	11	3	1
1	1	12	7	15	1	3	12	1	10
1	1	13	5	5	1	3	13	4	15
1	1	14	1	15	1	3	14	5	1
1	1	15	1	5	1	3	15	6	15
1	1	16	7	10	1	3	16	7	10
1	1	17	5	7	1	3	17	6	10
1	1	18	3	1	1	3	18	6	7
1	1	19	6	10	1	3	19	2	10
1	2	1	4	10	2	1	1	2	25
1	2	2	6	1	2	1	2	2	50
1	2	3	6	7	2	1	3	4	25
1	2	4	6	5	2	1	4	7	20
1	2	5	5	1	2	2	1	2	25
1	2	6	5	7	2	2	2	2	50
1	2	7	1	15	2	2	3	4	25
1	2	8	2	10	2	2	4	7	20
1	2	9	2	15	2	3	1	2	50
1	2	10	1	7	2	3	2	4	25
1	2	11	7	10	2	3	3	7	20
1	2	12	6	10	2	3	4	2	25
1	2	13	7	15					
1	2	14	5	5					
1	2	15	6	15					
1	2	16	1	10					
1	2	17	1	5					
1	2	18	4	15					
1	2	19	3	1					

SITE 11

1	1	1	4	10	1	3	1	6	1
1	1	2	6	1	1	3	2	4	15
1	1	3	6	7	1	3	3	1	10
1	1	4	6	5	1	3	4	1	5
1	1	5	5	1	1	3	5	4	10
1	1	6	5	7	1	3	6	5	5
1	1	7	1	15	1	3	7	7	15
1	1	8	2	10	1	3	8	2	15
1	1	9	2	15	1	3	9	3	1
1	1	10	1	7	1	3	10	6	15
1	1	11	7	10	1	3	11	7	10
1	1	12	6	10	1	3	12	5	7
1	1	13	7	15	1	3	13	5	1
1	1	14	5	5	1	3	14	6	10
1	1	15	6	15	1	3	15	1	7
1	1	16	1	10	1	3	16	2	10
1	1	17	1	5	1	3	17	1	15
1	1	18	4	15	1	3	18	6	7
1	1	19	3	1	1	3	19	6	5
1	2	1	1	15	2	1	1	2	25
1	2	2	4	10	2	1	2	2	50
1	2	3	6	1	2	1	3	4	25
1	2	4	1	5	2	1	4	7	20
1	2	5	1	7	2	2	1	2	25
1	2	6	7	15	2	2	2	2	50
1	2	7	6	5	2	2	3	4	25
1	2	8	5	7	2	2	4	7	20
1	2	9	2	15	2	3	1	2	25
1	2	10	5	5	2	3	2	7	20
1	2	11	3	1	2	3	3	2	50
1	2	12	1	10	2	3	4	4	25
1	2	13	4	15					
1	2	14	5	1					
1	2	15	6	15					
1	2	16	7	10					
1	2	17	6	10					
1	2	18	6	7					
1	2	19	2	10					

SITE 12

1	1	1	1	15	1	3	1	2	10
1	1	2	4	10	1	3	2	6	7
1	1	3	6	1	1	3	3	2	15
1	1	4	1	5	1	3	4	1	7
1	1	5	1	7	1	3	5	6	15
1	1	6	7	15	1	3	6	4	10
1	1	7	6	5	1	3	7	7	15
1	1	8	5	7	1	3	8	7	10
1	1	9	2	15	1	3	9	3	1
1	1	10	5	5	1	3	10	5	1
1	1	11	3	1	1	3	11	5	5
1	1	12	1	10	1	3	12	1	15
1	1	13	4	15	1	3	13	1	10
1	1	14	5	1	1	3	14	6	5
1	1	15	6	15	1	3	15	6	10
1	1	16	7	10	1	3	16	1	5
1	1	17	6	10	1	3	17	5	7
1	1	18	6	7	1	3	18	6	1
1	1	19	2	10	1	3	19	4	15
1	2	1	6	1	2	1	1	2	25
1	2	2	4	15	2	1	2	2	50
1	2	3	1	10	2	1	3	4	25
1	2	4	1	5	2	1	4	7	20
1	2	5	4	10	2	2	1	2	50
1	2	6	5	5	2	2	2	2	25
1	2	7	7	15	2	2	3	4	25
1	2	8	2	15	2	2	4	7	20
1	2	9	3	1	2	3	1	2	25
1	2	10	6	15	2	3	2	4	25
1	2	11	7	10	2	3	3	2	50
1	2	12	5	7	2	3	4	7	20
1	2	13	5	1					
1	2	14	6	10					
1	2	15	1	7					
1	2	16	2	10					
1	2	17	1	15					
1	2	18	6	7					
1	2	19	6	5					

APPENDIX B: SHORT-TERM REPEATABILITY TEST DATA - PCC PAVEMENT

SHORT-TERM REPEATABILITY TEST DATA - PCC PAVEMENT

LOAD LB	DEFLECTION, MILS						
	D0	D1	D2	D3	D4	D5	D6
KUAB							
13781	12.05	10.98	10.12	9.21	8.11	6.50	5.04
14187	11.85	10.87	9.92	8.94	7.95	6.10	4.80
14177	11.73	10.79	9.92	8.94	7.91	6.18	4.80
14240	11.89	10.87	10.24	9.06	8.07	6.26	4.88
14187	11.85	10.79	10.00	8.90	7.99	6.10	4.72
14203	11.77	10.79	10.00	8.86	7.95	6.18	4.72
14271	11.77	10.79	10.08	8.94	7.99	6.50	5.04
14354	11.93	10.98	10.12	8.94	7.99	6.26	4.92
14376	11.93	10.98	10.24	8.94	8.11	6.34	5.04
14413	11.93	11.06	10.24	9.13	8.11	6.50	5.04
14352	11.93	10.98	10.24	9.06	8.11	6.46	5.12
14431	11.85	10.98	10.12	9.13	8.11	6.26	4.92
14431	11.89	10.98	10.12	9.13	8.11	6.54	5.12
14435	11.93	10.87	10.08	9.13	8.23	6.46	4.92
14399	11.85	10.98	10.12	9.06	8.11	6.34	5.04
14494	11.93	11.06	10.31	9.13	8.23	6.50	5.04
14538	11.85	11.06	10.16	9.13	8.11	6.46	4.96
14502	11.93	10.98	10.31	9.13	8.15	6.50	5.04
14514	12.05	11.06	10.12	9.25	8.31	6.46	5.04
14431	11.93	10.98	10.08	9.13	8.23	6.54	5.12
14555	11.89	10.91	10.00	9.21	8.11	6.34	4.92
14561	11.93	10.98	10.08	9.25	8.15	6.54	4.80
14602	12.05	11.06	10.28	9.13	8.15	6.54	4.96
14600	11.93	11.06	10.24	9.25	8.11	6.38	4.92
14694	11.93	11.06	10.31	9.25	8.11	6.46	5.08

DYNATEST FWD

25968	19.71	18.27	14.28	10.97	8.69	6.29	4.98
26256	21.74	17.94	14.36	10.73	8.92	6.33	5.14
26216	21.66	17.94	14.28	10.73	8.80	6.29	5.14
26288	21.70	17.94	14.32	10.77	8.73	6.33	5.10
26288	21.66	17.90	14.36	10.77	8.77	6.37	5.18
26032	19.71	18.35	14.36	11.06	8.88	6.45	5.06
26240	21.90	18.19	14.40	10.85	9.08	6.41	5.22
26264	21.78	17.98	14.36	10.77	8.92	6.29	5.10
26216	21.78	17.98	14.44	10.81	8.88	6.37	5.18
26240	21.78	17.98	14.40	10.81	8.84	6.37	5.18
26144	19.66	18.35	14.40	11.01	8.77	6.41	5.02
26304	21.86	18.10	14.44	10.81	9.00	6.33	5.14
26336	21.82	18.02	14.40	10.81	8.88	6.33	5.10
26248	21.86	18.14	14.44	10.89	8.84	6.41	5.10
26272	21.70	18.02	14.32	10.81	8.69	6.25	4.94
26096	19.54	18.27	14.32	10.97	8.69	6.37	4.98
26304	21.94	18.23	14.48	10.93	9.04	6.41	5.22
26272	21.86	18.06	14.40	10.81	8.84	6.33	5.06
26304	21.70	18.06	14.32	10.73	8.80	6.29	5.02

26352	21.70	18.06	14.36	10.77	8.77	6.25	5.02
26256	19.14	18.43	14.48	11.06	8.88	6.49	5.14
26312	21.78	18.14	14.44	10.89	8.88	6.37	5.10
26312	21.82	18.02	14.40	10.77	8.92	6.29	5.18
26312	21.78	17.94	14.40	10.77	8.88	6.25	5.14
26312	21.74	18.06	14.32	10.77	8.77	6.25	5.02

PHONIX FWD

19774	16.60	14.40	11.00	8.30	6.00	4.70
19980	16.60	14.30	10.90	8.30	6.10	4.80
19774	16.60	14.30	10.90	8.30	6.00	4.80
19671	16.50	14.30	10.90	8.30	6.00	4.80
19568	16.50	14.30	10.90	8.30	6.00	4.80
19568	16.50	14.30	10.80	8.20	6.10	4.70
19362	16.40	14.20	10.80	8.10	6.00	4.70
19259	16.40	14.20	10.70	8.10	6.00	4.70
19362	16.30	14.10	10.70	8.10	5.90	4.60
19362	16.30	14.10	10.70	8.10	5.90	4.70
19156	16.20	14.10	10.70	8.10	5.90	4.60
19156	16.10	14.00	10.60	8.10	5.90	4.60
19156	16.10	14.00	10.60	8.00	5.90	4.60
19156	16.10	13.90	10.60	8.00	5.90	4.60
19156	16.10	13.90	10.60	8.00	5.90	4.60
19156	16.00	13.90	10.60	8.00	5.90	4.60
18950	16.00	13.90	10.60	8.00	5.90	4.60
18950	16.00	13.90	10.60	8.00	5.90	4.60
19156	16.00	13.90	10.60	8.00	5.90	4.60
18744	16.30	14.10	10.60	8.10	5.90	4.50
18641	16.40	14.10	10.60	8.10	5.90	4.50
19156	16.10	13.90	10.60	8.00	5.80	4.40
18950	16.10	13.90	10.60	8.00	5.90	4.50
19156	16.10	14.00	10.70	8.00	5.90	4.50
19156	16.30	14.10	10.70	8.00	5.90	4.50

DYNATEST HWD

27376	25.12	22.05	17.68	13.98	11.18	7.95	5.87
27394	24.69	21.73	17.32	13.70	10.98	7.83	5.87
27385	24.65	21.61	17.24	13.66	10.94	7.76	5.83
27394	24.65	21.54	17.20	13.66	10.91	7.68	5.79
27394	24.53	21.46	17.20	13.62	10.87	7.76	5.87
27329	24.41	21.46	17.17	13.58	10.83	7.64	5.83
27329	24.49	21.46	17.17	13.62	10.83	7.64	5.83
27442	24.61	21.46	17.17	13.62	10.79	7.60	5.79
27282	24.45	21.38	17.13	13.50	10.71	7.60	5.83
27210	24.37	21.38	17.13	13.54	10.71	7.64	5.87
27354	24.25	21.38	17.13	13.50	10.67	7.56	5.87
27354	24.25	21.22	16.85	13.23	10.43	7.40	5.75
27442	24.25	21.10	16.69	13.03	10.24	7.32	5.67
27561	24.29	21.14	16.73	13.03	10.24	7.32	5.67
27282	24.37	21.10	16.69	13.03	10.24	7.28	5.63
27304	24.17	21.26	16.97	13.43	10.59	7.44	5.75
27304	24.29	21.30	17.05	13.46	10.59	7.52	5.83

27304	24.29	21.30	16.89	13.43	10.55	7.32	5.63
27417	24.41	21.34	17.01	13.43	10.51	7.44	5.75
27194	24.29	21.22	16.85	13.39	10.51	7.28	5.71
27210	23.98	21.10	16.65	13.15	10.28	7.20	5.55
27210	24.13	21.14	16.73	13.31	10.39	7.28	5.63
27329	24.25	21.18	16.81	13.35	10.47	7.24	5.55
27257	24.41	21.22	16.81	13.39	10.47	7.28	5.63
27145	24.29	21.14	16.69	13.07	10.28	7.40	5.79

WES 16-KIP

14997	14.17	11.87	9.80	7.91	6.69
14917	14.11	11.83	9.76	7.87	6.66
14908	14.09	11.81	9.74	7.86	6.65
15015	14.21	11.90	9.82	7.92	6.70
14959	14.12	11.83	9.76	7.88	6.67
14938	14.10	11.81	9.74	7.85	6.65
14952	14.09	11.81	9.74	7.86	6.65
14927	14.09	11.79	9.73	7.85	6.63
14974	14.12	11.82	9.75	7.86	6.64
14910	14.08	11.78	9.71	7.83	6.62
14929	14.08	11.79	9.72	7.83	6.62
14904	14.07	11.77	9.71	7.83	6.62
14967	14.12	11.81	9.74	7.85	6.64
14881	14.04	11.76	9.69	7.82	6.61
14876	14.03	11.74	9.68	7.81	6.60
14871	14.04	11.75	9.69	7.81	6.60
14933	14.08	11.77	9.71	7.83	6.62
14867	14.03	11.73	9.67	7.80	6.60
14909	14.08	11.77	9.71	7.82	6.61
14887	14.02	11.72	9.66	7.79	6.58
14887	14.04	11.74	9.67	7.79	6.58
14877	14.00	11.71	9.65	7.78	6.57
14842	13.98	11.68	9.62	7.75	6.54
14926	14.04	11.73	9.66	7.78	6.57
14896	14.01	11.68	9.62	7.74	6.54

ROAD RATER

7210	5.90	4.30	3.60	2.50
7130	5.90	4.50	3.60	2.50
7130	6.10	4.40	3.60	2.50
7070	6.00	4.40	3.60	2.50
7140	6.00	4.40	3.60	2.50
7140	6.10	4.40	3.60	2.50
7130	6.10	4.50	3.60	2.50
7120	6.20	4.60	3.70	2.50
7130	6.10	4.60	3.70	2.50
7180	6.30	4.70	3.90	2.60
7220	6.20	4.70	3.90	2.60
7240	6.30	4.70	3.90	2.70
7260	6.20	4.70	4.00	2.70
7250	6.30	4.80	4.00	2.80
7330	6.40	5.00	4.20	2.90

7270	6.50	5.00	4.20	3.00
7320	6.40	5.00	4.20	2.90
7330	6.50	5.00	4.30	2.90
7230	6.40	5.00	4.20	2.90
7350	6.60	5.10	4.20	2.90
7300	6.50	5.10	4.20	2.90
7270	6.50	5.00	4.20	3.00
7260	6.30	4.90	4.10	2.90
7190	6.30	4.90	4.10	3.00
7160	6.40	4.90	4.10	2.90

DYNAFLECT

1000	0.67	0.60	0.52	0.42
1000	0.68	0.60	0.53	0.42
1000	0.67	0.60	0.52	0.41
1000	0.67	0.60	0.52	0.41
1000	0.68	0.60	0.52	0.41
1000	0.68	0.60	0.52	0.41
1000	0.67	0.60	0.52	0.41
1000	0.66	0.59	0.51	0.40
1000	0.68	0.60	0.52	0.41
1000	0.67	0.59	0.50	0.40
1000	0.67	0.60	0.52	0.41
1000	0.68	0.60	0.52	0.41
1000	0.68	0.60	0.52	0.41
1000	0.69	0.60	0.52	0.41
1000	0.68	0.60	0.52	0.41
1000	0.67	0.59	0.51	0.41
1000	0.68	0.60	0.52	0.41
1000	0.68	0.59	0.51	0.40
1000	0.67	0.59	0.52	0.40
1000	0.67	0.59	0.51	0.40
1000	0.69	0.61	0.53	0.41
1000	0.67	0.59	0.51	0.40
1000	0.68	0.60	0.52	0.40
1000	0.67	0.59	0.51	0.40
1000	0.67	0.59	0.51	0.40

APPENDIX C: SHORT-TERM REPEATABILITY TEST DATA - AC PAVEMENT

SHORT-TERM REPEATABILITY TEST DATA - AC PAVEMENT

LOAD LB	DEFLECTION, MILS						
	D0	D1	D2	D3	D4	D5	D6
KUAB							
13604	47.40	33.07	23.15	14.33	9.84	5.39	3.70
13897	46.18	32.56	23.15	14.49	9.92	5.67	3.86
14011	46.38	32.87	23.35	14.49	10.04	5.79	3.82
13905	45.87	32.56	23.15	14.41	10.04	5.59	3.90
14035	46.30	32.87	23.23	14.49	10.04	5.67	3.90
14059	46.30	32.87	23.35	14.61	10.04	5.67	3.90
14041	46.18	32.76	23.15	14.61	10.04	5.59	3.82
14100	46.50	33.07	23.35	14.61	10.12	5.59	3.74
14023	46.18	32.87	23.23	14.49	10.04	5.59	3.90
14120	46.38	33.07	23.35	14.61	10.12	5.59	3.82
14153	46.50	33.07	23.54	14.69	10.12	5.59	3.90
14116	46.30	33.07	23.35	14.61	10.12	5.67	3.90
14192	46.38	33.15	23.62	14.80	10.24	5.67	3.90
14193	46.50	33.15	23.66	14.69	10.16	5.79	4.02
14230	46.69	33.15	23.54	14.80	10.24	5.67	3.90
14242	46.69	33.27	23.46	14.69	10.24	5.67	3.90
14265	46.89	33.35	23.66	14.80	10.08	5.67	3.90
14248	46.69	33.15	23.54	14.69	10.12	5.67	3.82
14260	46.89	33.27	23.66	14.80	10.24	5.75	3.90
14271	46.69	33.27	23.54	14.65	10.28	5.79	3.90
14287	46.69	33.35	23.66	14.80	10.12	5.79	3.90
14354	46.89	33.35	23.54	14.80	10.28	5.67	3.90
14246	46.57	33.27	23.54	14.69	10.24	5.67	3.82
14262	46.69	33.27	23.54	14.80	10.24	5.91	3.90
14384	47.01	33.46	23.66	14.88	10.31	5.91	4.02

DYNATEST FWD

24464	75.49	37.31	17.92	10.28	7.23	5.30	4.57
24704	75.73	37.31	18.00	10.24	7.23	5.26	4.48
24720	76.10	37.39	18.00	10.20	7.23	5.22	4.57
24704	76.14	37.39	17.92	10.20	7.19	5.18	4.61
24712	76.30	37.31	18.00	10.24	7.23	5.18	4.65
24592	75.65	38.46	18.40	10.56	7.39	5.34	4.69
24768	77.20	38.17	18.20	10.40	7.27	5.26	4.53
24704	76.55	37.97	18.16	10.36	7.23	5.26	4.65
24712	76.51	37.88	18.16	10.36	7.15	5.26	4.57
24704	76.47	37.97	18.16	10.40	7.19	5.30	4.57
24624	75.61	38.74	18.56	10.69	7.39	5.42	4.77
24744	78.05	38.50	18.44	10.56	7.31	5.34	4.61
24752	77.03	38.50	18.44	10.56	7.39	5.38	4.77
24720	76.79	38.33	18.32	10.48	7.27	5.30	4.69
24744	76.83	38.33	18.28	10.44	7.23	5.26	4.69
24520	75.25	38.62	18.52	10.56	7.31	5.34	4.65
24752	78.21	38.54	18.44	10.52	7.31	5.30	4.61
24720	76.87	38.37	18.36	10.48	7.27	5.22	4.65
24696	76.87	38.41	18.32	10.48	7.27	5.22	4.65

24712	76.95	38.41	18.36	10.52	7.27	5.34	4.73
24592	77.60	38.82	18.76	10.77	7.51	5.54	4.73
24720	80.57	38.33	18.52	10.56	7.31	5.34	4.69
24704	78.62	38.17	18.44	10.52	7.27	5.34	4.69
24712	77.89	38.13	18.44	10.56	7.27	5.38	4.73
24768	77.40	38.21	18.48	10.65	7.31	5.46	4.73

PHONIX FWD

18126	48.80	33.50	15.20	8.10	5.20	3.80
17920	48.90	33.70	15.20	8.20	5.20	3.70
17920	49.00	33.70	15.20	8.20	5.20	3.70
17920	48.90	33.70	15.20	8.20	5.20	3.70
17920	49.00	33.80	15.20	8.20	5.20	3.70
17817	49.10	33.90	15.20	8.20	5.20	3.80
17920	49.10	33.90	15.20	8.20	5.20	3.70
17920	49.10	33.90	15.10	8.10	5.20	3.70
17920	49.40	34.00	15.20	8.10	5.10	3.70
17920	49.50	34.30	15.30	8.10	5.20	3.70
17920	49.30	34.20	15.20	8.10	5.20	3.70
17920	49.30	34.20	15.20	8.10	5.20	3.70
17920	49.40	34.20	15.40	8.10	5.20	3.70
17920	49.40	34.20	15.40	8.10	5.20	3.70
17920	49.30	34.10	15.30	8.10	5.20	3.70
17920	49.60	34.20	15.40	8.10	5.10	4.30
17920	49.60	34.20	15.30	8.10	5.10	3.70
17817	49.70	34.30	15.40	8.20	5.20	3.70
17920	49.60	34.20	15.30	8.10	5.20	3.70
17920	49.60	34.10	15.30	8.10	5.10	3.70
17920	49.70	34.20	15.40	8.20	5.20	3.70
17920	49.80	34.30	15.40	8.20	5.10	3.70
17920	49.80	34.30	15.40	8.20	5.10	3.70
17920	49.60	34.10	15.30	8.10	5.10	3.70
17920	49.70	34.10	15.40	8.10	5.10	3.70

DYNATEST HWD

24553	61.61	43.46	19.92	11.38	7.80	5.83	4.72
24856	68.46	42.09	19.84	11.42	7.83	5.94	4.76
24969	67.87	42.13	19.96	11.46	7.87	6.06	4.80
24897	67.72	42.20	20.00	11.50	7.91	6.06	4.84
24946	68.19	42.28	20.00	11.50	7.87	5.94	4.76
24802	67.20	42.95	19.92	11.54	7.91	5.94	4.76
24840	68.74	42.60	19.80	11.42	7.87	5.87	4.76
24962	68.66	42.64	19.92	11.50	7.87	5.87	4.76
24937	68.78	42.72	19.92	11.50	7.91	5.83	4.76
24784	68.78	42.56	19.80	11.42	7.87	5.83	4.76
24912	68.66	42.28	20.04	11.54	7.87	5.91	4.80
25009	69.17	42.60	20.12	11.57	7.91	5.94	4.80
24912	68.94	42.64	20.08	11.57	7.91	6.02	4.76
24962	69.25	42.60	20.12	11.57	7.91	5.94	4.80
24969	69.06	42.68	20.12	11.61	7.91	5.98	4.76
24937	61.14	43.03	20.24	11.69	7.99	5.94	4.88
24984	69.53	42.87	20.20	11.65	7.99	5.98	4.80

25009	69.09	42.83	20.20	11.65	7.95	5.98	4.80
24874	69.13	42.87	20.28	11.61	7.95	5.94	4.80
24993	69.21	42.87	20.12	11.61	7.99	6.02	4.80
25018	64.13	43.07	20.31	11.73	7.99	5.94	4.88
24984	69.37	42.87	20.20	11.65	7.95	6.02	4.80
24984	69.25	42.83	20.16	11.65	7.99	6.06	4.80
24984	69.57	42.87	20.20	11.65	7.99	6.02	4.80
25009	69.69	42.76	20.16	11.65	7.99	6.02	4.80

WES 16-KIP

14981	29.16	22.92	11.94	6.58	4.19
15017	29.24	23.00	11.96	6.60	4.21
14911	29.00	22.80	11.88	6.55	4.17
14968	29.10	22.91	11.93	6.58	4.20
15016	29.20	22.98	11.97	6.60	4.21
15006	29.09	22.91	11.95	6.60	4.20
14989	29.09	22.90	11.93	6.59	4.20
15029	29.10	22.91	11.95	6.60	4.20
14907	28.81	22.69	11.85	6.55	4.18
14908	28.80	22.66	11.85	6.55	4.18
14927	28.80	22.69	11.86	6.56	4.18
14918	28.74	22.61	11.84	6.56	4.18
15012	28.87	22.71	11.91	6.59	4.20
14957	28.71	22.60	11.85	6.57	4.19
14914	28.60	22.55	11.81	6.55	4.18
14967	28.69	22.58	11.85	6.57	4.19
15022	28.72	22.61	11.87	6.60	4.21
15036	28.67	22.58	11.88	6.61	4.21
15108	28.73	22.63	11.92	6.63	4.23
15036	28.57	22.52	11.86	6.60	4.21
14978	28.44	22.40	11.79	6.57	4.20
14977	28.31	22.33	11.79	6.58	4.20
14950	28.18	22.22	11.76	6.57	4.19
14923	28.09	22.16	11.71	6.55	4.18
14960	27.93	22.03	11.70	6.56	4.19

ROAD RATER

7000	20.00	8.30	4.50	2.70	7.00
7020	19.40	8.40	4.50	2.60	7.02
7040	18.60	8.30	4.60	2.60	7.04
7040	18.30	8.20	4.50	2.60	7.04
7090	18.00	8.30	4.40	2.60	7.09
7070	17.40	8.00	4.40	2.60	7.07
7080	16.90	8.10	4.50	2.60	7.08
6970	18.90	8.90	4.60	2.60	6.97
7000	18.50	8.70	4.60	2.60	7.00
7010	18.30	8.80	4.50	2.60	7.01
7060	17.90	8.50	4.60	2.60	7.06
7090	17.30	8.50	4.50	2.50	7.09
7070	16.90	8.20	4.50	2.60	7.07
7100	16.50	8.60	4.50	2.60	7.10
6940	18.30	8.90	4.60	2.60	6.94

6950	17.90	9.10	4.70	2.60	6.95
6990	18.30	9.10	4.60	2.70	6.99
6990	18.40	8.80	4.70	2.60	6.99
7010	18.20	9.10	4.60	2.60	7.01
7020	17.90	8.50	4.60	2.60	7.02
7080	17.70	8.60	4.60	2.60	7.08
7060	17.30	8.60	4.60	2.60	7.06
7110	17.00	8.40	4.60	2.60	7.11
7160	16.90	8.60	4.60	2.60	7.16
7130	16.80	8.60	4.60	2.60	7.13

DYNAFLECT

1000	0.61	0.39	0.25	0.19
1000	0.61	0.39	0.25	0.19
1000	0.61	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.61	0.39	0.25	0.19
1000	0.61	0.40	0.26	0.20
1000	0.60	0.38	0.25	0.19
1000	0.60	0.38	0.25	0.19
1000	0.61	0.40	0.26	0.19
1000	0.61	0.39	0.26	0.20
1000	0.61	0.40	0.26	0.20
1000	0.60	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.61	0.39	0.25	0.19
1000	0.61	0.39	0.25	0.19
1000	0.61	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.61	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.61	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.61	0.40	0.26	0.20
1000	0.60	0.40	0.26	0.19
1000	0.61	0.39	0.25	0.19
1000	0.60	0.39	0.25	0.19
1000	0.61	0.40	0.25	0.19

APPENDIX D: LONG-TERM REPEATABILITY TEST DATA

LONG-TERM REPEATABILITY TEST DATA

DEVICE	REPLI- CATE	REPEAT	LOAD	DEFLECTION, MILS						
				D0	D1	D2	D3	D4	D5	D6
1	1	1	14195	4.69	4.61	4.45	4.45	4.21	3.62	3.39
1	1	1	14711	4.88	4.72	4.61	4.45	4.29	3.78	3.39
1	1	1	5801	2.24	2.20	1.93	1.93	1.85	1.65	1.38
1	1	1	5828	2.24	2.20	1.93	1.93	1.77	1.77	1.38
1	1	1	3393	1.34	1.22	1.10	1.22	1.14	0.94	0.94
1	1	1	3399	1.34	1.30	0.98	1.22	1.26	1.06	0.87
1	1	2	14313	4.76	4.61	4.57	4.33	4.29	3.78	3.39
1	1	2	14614	5.00	4.76	4.65	4.45	4.29	3.78	3.39
1	1	2	5801	2.24	2.20	1.81	2.13	1.85	1.77	1.38
1	1	2	5807	2.17	2.09	2.05	1.93	1.85	1.65	1.46
1	1	2	3365	1.26	1.42	1.10	1.14	1.14	0.94	0.94
1	1	2	3381	1.26	1.42	0.98	1.22	1.26	1.14	1.06
1	1	3	14443	4.88	4.80	4.57	4.53	4.29	3.78	3.39
1	1	3	14760	5.00	4.72	4.65	4.45	4.37	3.78	3.39
1	1	3	5796	2.24	2.20	1.93	2.05	1.85	1.65	1.38
1	1	3	5804	2.24	2.20	1.93	1.93	1.97	1.77	1.46
1	1	3	3357	1.46	1.30	1.10	1.30	1.06	1.06	0.87
1	1	3	3369	1.34	1.30	1.10	1.14	1.14	1.14	0.94
1	2	1	13977	5.08	4.61	4.45	4.45	4.06	3.66	3.31
1	2	1	14356	5.00	4.72	4.57	4.33	4.17	3.78	3.31
1	2	1	7158	2.76	2.52	2.40	2.44	2.17	1.97	1.65
1	2	1	7161	2.76	2.44	2.36	2.44	2.17	1.97	1.57
1	2	1	5186	1.97	1.89	1.73	1.85	1.54	1.54	1.26
1	2	1	5178	2.05	1.89	1.73	1.85	1.54	1.46	1.26
1	2	2	13994	4.76	4.61	4.57	4.33	4.06	3.58	3.19
1	2	2	14344	5.00	4.80	4.57	4.45	4.21	3.66	3.31
1	2	2	7110	2.76	2.48	2.36	2.44	2.05	1.97	1.77
1	2	2	7148	2.76	2.32	2.36	2.32	2.17	2.05	1.65
1	2	2	5148	2.05	1.89	1.61	1.85	1.54	1.46	1.38
1	2	2	5142	2.17	1.89	1.73	1.93	1.65	1.46	1.26
1	2	3	14096	5.08	4.57	4.33	4.33	4.13	3.58	3.31
1	2	3	14311	4.88	4.61	4.57	4.33	4.17	3.78	3.39
1	2	3	7134	2.68	2.48	2.36	2.56	2.24	1.97	1.65
1	2	3	7134	2.76	2.48	2.24	2.44	2.05	2.05	1.77
1	2	3	5121	2.05	1.89	1.61	1.85	1.54	1.54	1.30
1	2	3	5142	2.05	1.81	1.73	1.85	1.54	1.46	1.14
1	3	1	13946	4.76	4.72	4.41	4.33	4.17	3.82	3.31
1	3	1	14323	5.00	4.72	4.57	4.45	4.29	3.86	3.39
1	3	1	7146	2.76	2.48	2.36	2.56	2.17	2.13	1.65
1	3	1	7148	2.76	2.48	2.24	2.44	2.17	2.05	1.77
1	3	1	5133	1.97	1.89	1.61	1.73	1.65	1.46	1.26
1	3	1	5150	2.05	2.01	1.73	1.85	1.65	1.54	1.38
1	3	2	14029	5.00	4.72	4.45	4.33	4.21	3.66	3.23
1	3	2	14395	5.08	4.72	4.61	4.45	4.33	3.78	3.39
1	3	2	7128	2.76	2.48	2.40	2.44	2.17	2.05	1.85
1	3	2	7171	2.87	2.48	2.40	2.44	2.24	2.05	1.77
1	3	2	5151	2.17	1.89	1.73	1.85	1.54	1.46	1.38
1	3	2	5139	2.05	2.01	1.81	1.89	1.54	1.54	1.46
1	3	3	14075	5.08	4.72	4.65	4.33	4.17	3.66	3.31

1	3	3	14378	5.08	4.72	4.45	4.53	4.29	3.86	3.39
1	3	3	7131	2.87	2.48	2.36	2.40	2.24	2.05	1.65
1	3	3	7136	2.87	2.48	2.40	2.44	2.24	2.05	1.85
1	3	3	5142	2.17	1.89	1.73	1.85	1.65	1.65	1.38
1	3	3	5136	2.17	1.89	1.73	1.85	1.65	1.65	1.38
2	1	1	16126	5.16	5.20	4.72	4.25	3.74	3.23	2.76
2	1	1	15983	5.43	5.12	4.72	4.25	3.70	3.23	2.76
2	1	1	27246	9.37	9.06	8.27	7.36	6.46	5.63	4.76
2	1	1	27103	9.49	9.06	8.27	7.36	6.46	5.63	4.76
2	1	1	49808	17.44	16.65	15.35	13.70	12.05	10.43	8.90
2	1	1	50023	17.40	16.69	15.35	13.70	12.01	10.43	8.86
2	1	2	16233	5.12	5.20	4.80	4.25	3.78	3.27	2.76
2	1	2	16054	5.39	5.20	4.76	4.21	3.70	3.27	2.72
2	1	2	27067	9.25	9.02	8.27	7.36	6.46	5.59	4.76
2	1	2	26924	9.29	9.02	8.31	7.36	6.46	5.63	4.76
2	1	2	49844	17.44	16.69	15.35	13.70	12.01	10.47	8.86
2	1	2	50130	17.60	16.69	15.35	13.70	12.01	10.47	8.86
2	1	3	16376	5.12	5.24	4.76	4.25	3.70	3.27	2.76
2	1	3	16090	5.35	5.12	4.72	4.25	3.66	3.19	2.72
2	1	3	27067	9.21	9.02	8.27	7.36	6.42	5.59	4.76
2	1	3	26853	9.37	8.98	8.23	7.32	6.42	5.59	4.76
2	1	3	49772	17.52	16.69	15.35	13.74	12.05	10.47	8.86
2	1	3	50094	17.72	16.69	15.35	13.74	12.05	10.43	8.86
2	2	1	16162	5.28	5.24	4.76	4.25	3.70	3.31	2.76
2	2	1	15947	5.43	5.20	4.76	4.21	3.66	3.27	2.72
2	2	1	27032	9.37	9.02	8.23	7.36	6.46	5.59	4.76
2	2	1	27032	9.37	9.06	8.27	7.36	6.46	5.63	4.76
2	2	1	49522	17.56	16.65	15.31	13.66	12.01	10.43	8.86
2	2	1	49808	17.44	16.69	15.35	13.70	12.05	10.47	8.86
2	2	2	15697	5.04	5.12	4.69	4.17	3.62	3.23	2.72
2	2	2	15911	5.35	5.16	4.72	4.17	3.66	3.23	2.72
2	2	2	26746	9.21	8.98	8.23	7.32	6.42	5.63	4.72
2	2	2	26638	9.29	8.98	8.23	7.32	6.42	5.59	4.72
2	2	2	49701	17.56	16.65	15.31	13.66	11.97	10.43	8.86
2	2	2	49737	17.56	16.69	15.35	13.70	11.97	10.47	8.86
2	2	3	16054	5.28	5.20	4.76	4.21	3.70	3.27	2.76
2	2	3	15661	5.31	5.16	4.72	4.21	3.66	3.27	2.72
2	2	3	26889	9.21	8.98	8.23	7.32	6.42	5.59	4.76
2	2	3	26567	9.25	8.94	8.23	7.28	6.42	5.55	4.72
2	2	3	49701	17.48	16.69	15.31	13.66	11.97	10.43	8.86
2	2	3	49737	17.56	16.65	15.35	13.70	12.01	10.51	8.86
2	3	1	16877	5.39	5.20	4.76	4.21	3.74	3.27	2.76
2	3	1	16412	5.51	5.16	4.72	4.21	3.70	3.27	2.76
2	3	1	27568	9.29	8.98	8.27	7.32	6.42	5.63	4.80
2	3	1	27568	9.41	8.98	8.23	7.32	6.38	5.59	4.76
2	3	1	49415	17.68	16.69	15.31	13.70	12.01	10.47	8.90
2	3	1	49629	17.72	16.73	15.35	13.74	12.05	10.51	8.90
2	3	2	16555	5.24	5.24	4.76	4.21	3.74	3.23	2.76
2	3	2	16376	5.51	5.24	4.72	4.17	3.66	3.23	2.72
2	3	2	27461	9.37	8.98	8.27	7.32	6.42	5.59	4.76
2	3	2	27532	9.53	8.98	8.23	7.32	6.38	5.59	4.76
2	3	2	49558	17.60	16.69	15.31	13.70	11.97	10.47	8.90
2	3	2	49594	17.68	16.69	15.31	13.70	12.01	10.51	8.90
2	3	3	16662	5.31	5.24	4.76	4.21	3.70	3.23	2.76

2	3	3	16448	5.59	5.16	4.72	4.17	3.62	3.23	2.72
2	3	3	27353	9.21	8.98	8.23	7.32	6.42	5.59	4.76
2	3	3	27353	9.49	8.94	8.23	7.32	6.38	5.59	4.76
2	3	3	49522	17.60	16.65	15.31	13.66	11.97	10.47	8.94
2	3	3	49665	17.72	16.69	15.31	13.70	12.01	10.47	8.90
3	1	1	1000	0.30	0.29	0.26	0.22	0.21		
3	1	1	1000	0.30	0.29	0.26	0.22	0.21		
3	1	2	1000	0.29	0.27	0.25	0.20	0.20		
3	1	2	1000	0.28	0.27	0.25	0.20	0.20		
3	1	3	1000	0.28	0.27	0.24	0.20	0.19		
3	1	3	1000	0.28	0.27	0.24	0.20	0.19		
3	2	1	1000	0.29	0.29	0.25	0.22	0.20		
3	2	1	1000	0.29	0.29	0.25	0.22	0.20		
3	2	2	1000	0.28	0.28	0.24	0.20	0.19		
3	2	2	1000	0.28	0.28	0.25	0.20	0.19		
3	2	3	1000	0.30	0.29	0.26	0.22	0.20		
3	2	3	1000	0.30	0.29	0.26	0.22	0.20		
3	3	1	1000	0.24	0.23	0.21	0.18	0.17		
3	3	1	1000	0.24	0.23	0.21	0.18	0.17		
3	3	2	1000	0.28	0.26	0.25	0.21	0.21		
3	3	2	1000	0.28	0.26	0.25	0.21	0.21		
3	3	3	1000	0.28	0.27	0.25	0.21	0.20		
3	3	3	1000	0.28	0.27	0.25	0.21	0.20		
4	1	1	26456	8.49	8.01	7.36	6.51	5.78	4.95	4.32
4	1	1	26768	8.53	8.05	7.40	6.55	5.78	4.99	4.32
4	1	1	12176	3.98	3.84	3.48	3.11	2.75	2.41	2.10
4	1	1	12152	3.90	3.72	3.40	2.99	2.67	2.29	1.97
4	1	1	8144	2.64	2.49	2.28	2.05	1.81	1.58	1.36
4	1	1	8184	2.60	2.53	2.32	2.05	1.81	1.58	1.40
4	1	2	26432	8.53	8.13	7.44	6.63	5.86	5.06	4.36
4	1	2	26696	8.49	8.01	7.40	6.51	5.82	4.99	4.36
4	1	2	12120	3.94	3.80	3.48	3.07	2.71	2.37	2.06
4	1	2	12144	3.98	3.80	3.52	3.11	2.75	2.41	2.06
4	1	2	8152	2.60	2.49	2.28	2.01	1.77	1.54	1.32
4	1	2	8168	2.56	2.45	2.24	1.97	1.73	1.50	1.28
4	1	3	25808	8.69	8.21	7.52	6.67	5.94	5.10	4.44
4	1	3	26688	8.49	8.01	7.36	6.51	5.82	4.95	4.32
4	1	3	12152	3.98	3.84	3.56	3.11	2.79	2.41	2.10
4	1	3	12176	3.98	3.80	3.52	3.11	2.75	2.41	2.10
4	1	3	8168	2.68	2.57	2.36	2.09	1.85	1.62	1.44
4	1	3	8168	2.56	2.45	2.24	2.01	1.77	1.50	1.32
4	2	1	26224	8.57	8.13	7.48	6.51	5.90	5.02	4.48
4	2	1	26576	8.49	8.01	7.56	6.55	5.94	5.02	4.48
4	2	1	12008	3.86	3.84	3.52	3.07	2.75	2.37	2.06
4	2	1	12016	3.86	3.76	3.48	3.03	2.71	2.33	2.06
4	2	1	7896	2.48	2.53	2.36	2.05	1.85	1.58	1.40
4	2	1	7904	2.44	2.53	2.36	2.05	1.85	1.58	1.40
4	2	2	26200	8.61	8.13	7.52	6.55	5.94	5.06	4.53
4	2	2	26544	8.57	8.05	7.52	6.51	5.90	5.02	4.40
4	2	2	11944	3.90	3.80	3.52	3.07	2.75	2.37	2.06
4	2	2	11992	3.90	3.80	3.52	3.07	2.75	2.37	2.10
4	2	2	7880	2.48	2.57	2.36	2.09	1.85	1.58	1.40
4	2	2	7872	2.48	2.53	2.36	2.09	1.85	1.58	1.40
4	2	3	26192	8.57	8.13	7.48	6.55	5.90	5.06	4.48

4	2	3	26504	8.61	8.09	7.60	6.63	5.97	5.10	4.48
4	2	3	11920	3.82	3.76	3.48	3.03	2.71	2.33	2.02
4	2	3	11976	3.90	3.80	2.52	3.07	2.75	2.37	2.06
4	2	3	7824	2.44	2.49	2.28	2.01	1.77	1.54	1.32
4	2	3	7792	2.40	2.53	2.32	2.05	1.81	1.58	1.36
4	3	1	26344	8.53	8.01	7.56	6.47	5.97	5.02	4.69
4	3	1	26432	8.65	8.05	7.56	6.47	5.97	5.06	4.69
4	3	1	11896	3.94	3.84	3.48	3.07	2.75	2.37	2.06
4	3	1	11896	3.94	3.80	3.52	3.03	2.75	2.37	2.10
4	3	1	7792	2.56	2.49	2.28	1.97	1.77	1.54	1.32
4	3	1	7840	2.56	2.49	2.28	2.01	1.81	1.54	1.36
4	3	2	26272	8.53	8.01	7.56	6.47	5.94	5.02	4.65
4	3	2	26488	8.61	7.97	7.48	6.39	5.94	4.99	4.61
4	3	2	11816	3.94	3.80	3.48	3.07	2.75	2.37	2.06
4	3	2	11816	3.94	3.80	3.52	3.07	2.75	2.37	2.10
4	3	2	7792	2.56	2.57	2.32	2.05	1.81	1.58	1.40
4	3	2	7840	2.56	2.53	2.32	2.05	1.81	1.58	1.40
4	3	3	26328	8.57	7.93	7.48	6.43	5.90	4.99	4.57
4	3	3	26464	8.57	8.01	7.48	6.39	5.94	4.99	4.61
4	3	3	11808	3.90	3.84	3.48	3.07	2.75	2.37	2.06
4	3	3	11840	3.86	3.80	3.44	3.03	2.71	2.33	2.02
4	3	3	7736	2.52	2.40	2.28	1.97	1.77	1.54	1.32
4	3	3	7768	2.56	2.53	2.32	2.05	1.81	1.58	1.40
5	1	1	7310	3.10	2.30	2.00	1.70			
5	1	1	7300	3.10	2.40	2.00	1.60			
5	1	1	4930	2.20	1.50	1.30	1.10			
5	1	1	4960	2.20	1.60	1.30	1.10			
5	1	2	5100	2.30	1.60	1.40	1.20			
5	1	2	5010	2.30	1.60	1.40	1.20			
5	1	2	7420	3.30	2.40	2.00	1.60			
5	1	2	7330	3.30	2.40	2.10	1.70			
5	1	3	7310	3.00	2.30	2.00	1.70			
5	1	3	7370	3.00	2.30	2.00	1.70			
5	1	3	4920	2.00	1.50	1.30	1.10			
5	1	3	4880	1.90	1.50	1.30	1.10			
5	2	1	4890	2.00	1.50	1.30	1.10			
5	2	1	4930	2.00	1.50	1.30	1.10			
5	2	1	7640	3.10	2.40	2.10	1.80			
5	2	1	7610	3.10	2.40	2.10	1.80			
5	2	2	5070	2.10	1.60	1.40	1.20			
5	2	2	5030	2.10	1.60	1.40	1.20			
5	2	2	7370	2.90	2.40	2.10	1.70			
5	2	2	7400	3.00	2.40	2.10	1.70			
5	2	3	5030	2.40	1.60	1.40	1.20			
5	2	3	4950	2.40	1.60	1.40	1.10			
5	2	3	7420	3.10	2.40	2.10	1.70			
5	2	3	7130	3.00	2.30	2.10	1.70			
5	3	1	7300	3.10	2.30	2.00	1.70			
5	3	1	7330	3.10	2.30	2.00	1.60			
5	3	1	4880	2.00	1.50	1.30	1.10			
5	3	1	4820	2.00	1.50	1.30	1.10			
5	3	2	7410	3.20	2.30	2.00	1.70			
5	3	2	7340	3.10	2.30	2.00	1.60			
5	3	2	5000	2.00	1.50	1.30	1.10			

5	3	2	5000	2.00	1.50	1.30	1.10	
5	3	3	7390	3.00	2.30	2.00	1.60	
5	3	3	7310	3.10	2.30	2.00	1.70	
5	3	3	5180	2.00	1.60	1.40	1.20	
5	3	3	5160	2.00	1.60	1.40	1.20	
6	1	1	5165	2.34	1.71	1.63	1.44	1.28
6	1	1	5018	2.28	1.67	1.60	1.40	1.25
6	1	2	10119	4.54	3.34	3.16	2.79	2.49
6	1	2	10036	4.51	3.33	3.14	2.78	2.47
6	1	3	14687	6.63	4.86	4.57	4.06	3.61
6	1	3	14874	7.45	5.49	5.17	4.56	4.06
6	2	1	14699	6.52	5.06	4.75	4.26	3.84
6	2	1	14672	6.52	5.06	4.75	4.26	3.85
6	2	2	10186	4.40	3.42	3.22	2.89	2.61
6	2	2	10163	4.40	3.42	3.22	2.88	2.60
6	2	3	5010	2.22	1.73	1.64	1.47	1.33
6	2	3	5096	2.25	1.76	1.67	1.49	1.34
6	3	1	14645	6.53	5.08	4.80	4.32	3.88
6	3	1	14658	6.55	5.10	4.81	4.32	3.88
6	3	2	10123	4.41	3.43	3.25	2.92	2.63
6	3	2	9871	4.28	3.33	3.16	2.84	2.55
6	3	3	5094	2.25	1.76	1.68	1.51	1.37
6	3	3	5154	2.28	1.78	1.71	1.53	1.39
7	1	1	19053	6.10	5.80	5.40	4.90	4.30 3.80
7	1	1	19053	6.20	5.90	5.40	4.90	4.30 3.80
7	1	1	19053	6.20	5.90	5.40	4.90	4.30 3.80
7	1	1	11535	3.80	3.60	3.20	3.10	2.60 2.40
7	1	1	11535	3.90	3.70	3.20	3.10	2.70 2.40
7	1	1	11535	3.90	3.70	3.20	3.10	2.70 2.40
7	1	2	19336	6.10	5.80	5.40	4.90	4.30 3.90
7	1	2	19336	6.20	5.90	5.40	4.90	4.30 3.90
7	1	2	19336	6.20	5.90	5.40	4.90	4.30 3.80
7	1	2	11638	3.80	3.70	3.20	3.10	2.60 2.40
7	1	2	11638	3.90	3.70	3.20	3.00	2.70 2.40
7	1	2	11638	3.90	3.70	3.20	3.10	2.70 2.40
7	1	3	19156	6.20	5.90	5.40	5.00	4.30 3.90
7	1	3	19156	6.20	5.90	5.40	4.90	4.30 3.80
7	1	3	19156	6.20	5.90	5.40	4.90	4.30 3.80
7	1	3	11535	3.80	3.60	3.20	3.00	2.60 2.40
7	1	3	11535	3.90	3.70	3.20	3.00	2.70 2.40
7	1	3	11535	3.90	3.70	3.20	3.10	2.70 2.40
7	2	1	19156	6.50	6.00	5.60	5.00	4.60 3.90
7	2	1	19156	6.50	6.10	5.50	5.10	4.40 3.90
7	2	1	19156	6.50	6.10	5.50	5.10	4.40 3.90
7	2	1	12359	4.10	3.90	3.40	3.20	2.80 2.50
7	2	1	12359	4.10	3.90	3.40	3.20	2.80 2.50
7	2	1	12359	4.10	3.90	3.40	3.20	2.80 2.40
7	2	2	19362	6.50	6.10	5.60	5.10	4.40 3.90
7	2	2	19362	6.30	6.00	5.50	5.00	4.40 3.80
7	2	2	19362	6.30	6.00	5.50	5.00	4.40 3.80
7	2	2	12153	4.10	3.80	3.30	3.10	2.80 2.50
7	2	2	12153	4.10	3.90	3.30	3.10	2.80 2.40
7	2	2	12153	4.10	3.90	3.30	3.20	2.80 2.40
7	2	3	19465	6.40	6.10	5.60	5.00	4.40 3.90

7	2	3	19465	6.30	6.00	5.50	5.00	4.40	3.80
7	2	3	19465	6.30	6.00	5.40	5.00	4.40	3.80
7	2	3	12153	4.00	3.80	3.30	3.10	2.80	2.40
7	2	3	12153	4.00	3.90	3.30	3.10	2.80	2.40
7	2	3	12153	4.00	3.90	3.30	3.10	2.80	2.40
7	3	1	19259	6.50	6.20	5.60	5.10	4.40	3.90
7	3	1	19259	6.40	6.10	5.50	5.00	4.40	3.90
7	3	1	19259	6.40	6.10	5.50	5.00	4.40	3.90
7	3	1	12153	4.10	3.80	3.40	3.20	2.80	2.50
7	3	1	12153	4.10	3.90	3.40	3.20	2.80	2.40
7	3	1	12153	4.10	3.90	3.40	3.20	2.80	2.40
7	3	2	19259	6.50	6.10	5.60	5.10	4.40	3.90
7	3	2	19259	6.30	6.00	5.50	5.00	4.40	3.80
7	3	2	19259	6.40	6.00	5.50	5.00	4.40	3.80
7	3	2	12153	4.10	3.80	3.30	3.10	2.70	2.40
7	3	2	12153	4.10	3.90	3.40	3.10	2.80	2.40
7	3	2	12153	4.10	3.90	3.30	3.10	2.80	2.40
7	3	3	19259	6.50	6.10	5.60	5.00	4.40	3.80
7	3	3	19259	6.30	6.00	5.50	5.00	4.40	3.80
7	3	3	19259	6.30	6.00	5.50	5.00	4.30	3.80
7	3	3	12153	4.00	3.80	3.30	3.10	2.70	2.40
7	3	3	12153	4.10	3.90	3.30	3.10	2.80	2.40
7	3	3	12153	4.10	3.90	3.30	3.10	2.80	2.40

APPENDIX E: REPLICATE TEST DATA

REPLICATE TEST DATA

DE- VICE	BLOCK	REPLI- CATE	RUN	RE- PEAT	TARGET LOAD	LOAD LB	DEFLECTION, MILS						
							D0	D1	D2	D3	D4	D5	D6
SITE 1													
1	1	1	3	1	2	5154	1.45	1.29	.98	1.22	1.14	1.14	1.06
1	1	1	3	2	2	5222	1.45	1.22	.98	1.14	1.06	1.14	.94
1	1	1	3	3	2	5243	1.33	1.22	1.10	1.22	1.14	1.14	.94
1	1	1	11	1	3	7150	1.65	1.61	1.18	1.53	1.33	1.45	1.45
1	1	1	11	2	3	7244	1.77	1.41	1.41	1.45	1.33	1.33	1.25
1	1	1	11	3	3	7197	1.77	1.41	1.18	1.37	1.33	1.33	1.25
1	1	1	15	1	4	10166	2.16	1.88	1.81	2.04	1.85	1.85	1.65
1	1	1	15	2	4	10278	2.16	1.88	1.92	2.12	1.85	2.04	1.77
1	1	1	15	3	4	10266	2.36	2.00	1.92	2.08	1.77	1.85	1.57
1	1	1	16	1	5	13913	2.95	2.55	2.44	2.55	2.36	2.16	2.08
1	1	1	16	2	5	14066	2.67	2.55	2.44	2.44	2.44	2.24	2.08
1	1	1	16	3	5	14193	2.75	2.55	2.44	2.55	2.36	2.16	2.08
1	1	2	6	1	4	10101	2.36	1.88	2.04	2.12	1.77	1.96	1.45
1	1	2	6	2	4	10260	2.44	2.00	1.92	2.04	1.85	1.96	1.65
1	1	2	6	3	4	10278	2.44	2.08	1.92	1.92	1.85	1.77	1.57
1	1	2	8	1	5	13905	2.67	2.36	2.44	2.44	2.36	2.36	2.16
1	1	2	8	2	5	14072	2.67	2.48	2.36	2.44	2.44	2.36	2.28
1	1	2	8	3	5	14113	2.67	2.55	2.44	2.44	2.36	2.16	2.08
1	1	2	12	1	3	7063	1.65	1.61	1.41	1.53	1.33	1.45	1.45
1	1	2	12	2	3	7170	1.53	1.49	1.29	1.45	1.25	1.33	1.37
1	1	2	12	3	3	7171	1.77	1.61	1.41	1.73	1.45	1.61	1.25
1	1	2	17	1	2	5089	1.33	1.22	.98	1.22	1.06	1.06	.94
1	1	2	17	2	2	5187	1.45	1.29	.98	1.14	1.14	1.06	.94
1	1	2	17	3	2	5187	1.33	1.33	.86	1.33	1.14	1.14	.94
1	1	3	5	1	3	7071	1.96	1.61	1.41	1.73	1.33	1.45	1.45
1	1	3	5	2	3	7219	1.96	1.61	1.41	1.65	1.33	1.33	1.45
1	1	3	5	3	3	7201	2.04	1.61	1.41	1.57	1.33	1.33	1.45
1	1	3	6	1	2	5110	1.45	1.41	1.10	1.45	1.14	1.14	1.06
1	1	3	6	2	2	5175	1.53	1.29	.98	1.22	1.06	1.10	.94
1	1	3	6	3	2	5145	1.53	1.29	1.10	1.33	1.06	1.14	1.02
1	1	3	16	1	4	10072	2.44	1.88	1.92	2.12	1.77	1.96	1.45
1	1	3	16	2	4	10207	2.16	2.00	1.92	2.04	1.77	1.96	1.65
1	1	3	16	3	4	10184	2.20	2.00	1.92	2.08	1.96	1.77	1.65
1	1	3	19	1	5	13828	2.67	2.48	2.44	2.44	2.36	2.04	2.16
1	1	3	19	2	5	14100	2.67	2.48	2.36	2.55	2.36	2.24	2.08
1	1	3	19	3	5	14149	2.59	2.67	2.55	2.55	2.44	2.24	2.08
2	1	1	2	1	5	16770	2.20	1.93	1.81	1.73	1.65	1.38	1.30
2	1	1	2	2	5	16270	2.28	1.97	1.85	1.73	1.61	1.50	1.38
2	1	1	2	3	5	16130	2.32	1.97	1.85	1.73	1.61	1.50	1.38
2	1	1	9	1	4	10010	.94	1.22	1.14	1.06	.98	.87	.83
2	1	1	9	2	4	10050	1.50	1.22	1.18	1.06	.98	.91	.83
2	1	1	9	3	4	10010	1.30	1.18	1.14	1.02	.94	.91	.83
2	1	2	10	1	4	10410	.67	1.22	1.18	1.02	.98	.87	.83
2	1	2	10	2	4	10370	1.26	1.22	1.18	1.06	.94	.87	.83
2	1	2	10	3	4	10120	1.38	1.26	1.22	1.06	.94	.91	.87
2	1	2	19	1	5	15770	2.20	1.93	1.85	1.73	1.61	1.50	1.38
2	1	2	19	2	5	15550	2.20	1.93	1.85	1.73	1.61	1.50	1.38

2	1	2	19	3	5	15270	2.24	1.97	1.85	1.77	1.61	1.50	1.34
2	1	3	3	1	4	10150	1.38	1.26	1.26	1.06	.98	.91	.87
2	1	3	3	2	4	10480	1.42	1.22	1.22	1.02	.94	.91	.79
2	1	3	3	3	4	10300	1.50	1.26	1.22	1.02	.98	.94	.79
2	1	3	7	1	5	15090	2.13	1.97	1.85	1.77	1.61	1.46	1.38
2	1	3	7	2	5	15160	1.97	1.97	1.85	1.73	1.61	1.50	1.38
2	1	3	7	3	5	14590	2.17	1.97	1.89	1.73	1.65	1.50	1.42
2	2	1	3	1	7	25010	4.25	3.98	3.70	3.50	3.23	2.83	2.60
2	2	1	3	2	7	24930	4.33	3.90	3.74	3.50	3.27	2.95	2.68
2	2	1	3	3	7	24500	4.21	3.98	3.70	3.50	3.23	2.91	2.68
2	2	1	4	1	9	50310	8.35	7.72	7.32	6.85	6.34	5.87	5.35
2	2	1	4	2	9	50660	8.23	7.76	7.36	6.89	6.42	5.94	5.39
2	2	1	4	3	9	50610	8.19	7.80	7.36	6.93	6.38	5.94	5.39
2	2	2	3	1	7	25280	4.33	3.98	3.74	3.50	3.27	2.87	2.68
2	2	2	3	2	7	24820	4.21	3.98	3.74	3.54	3.31	2.95	2.76
2	2	2	3	3	7	24620	4.13	4.02	3.74	3.54	3.23	2.99	2.72
2	2	2	4	1	9	50760	8.23	7.80	7.36	6.89	6.38	5.91	5.39
2	2	2	4	2	9	51060	8.43	7.83	7.36	6.93	6.42	5.98	5.43
2	2	2	4	3	9	50930	8.27	7.80	7.36	6.89	6.42	5.98	5.43
2	2	3	2	1	9	50250	8.15	7.80	7.36	6.89	6.38	5.91	5.35
2	2	3	2	2	9	50490	8.11	7.80	7.48	6.93	6.38	5.94	5.35
2	2	3	2	3	9	50490	8.15	7.83	7.48	6.97	6.38	5.94	5.35
2	2	3	3	1	7	24030	4.25	3.98	3.74	3.50	3.23	2.91	2.68
2	2	3	3	2	7	24140	4.29	3.98	3.66	3.50	3.27	2.95	2.72
2	2	3	3	3	7	24190	4.33	3.98	3.74	3.54	3.23	2.95	2.72
3	1	1	1	1	1	1000	.19	.18	.19	.17	.17		
3	1	1	1	2	1	1000	.19	.18	.19	.16	.17		
3	1	1	1	3	1	1000	.19	.18	.19	.17	.17		
3	1	2	18	1	1	1000	.19	.16	.19	.16	.17		
3	1	2	18	2	1	1000	.19	.18	.19	.16	.17		
3	1	2	18	3	1	1000	.19	.18	.19	.17	.18		
3	1	3	4	1	1	1000	.19	.18	.20	.17	.17		
3	1	3	4	2	1	1000	.19	.18	.20	.17	.18		
3	1	3	4	3	1	1000	.19	.18	.20	.17	.18		
4	1	1	7	1	5	15175	2.36	2.13	2.28	2.01	2.01	1.93	2.01
4	1	1	7	2	5	15175	2.44	2.24	2.32	2.09	2.05	1.93	1.97
4	1	1	7	3	5	15159	2.36	2.17	2.17	1.97	1.93	1.77	1.73
4	1	1	8	1	4	9947	1.57	1.42	1.57	1.34	1.38	1.30	1.42
4	1	1	8	2	4	9915	1.61	1.46	1.54	1.34	1.38	1.30	1.34
4	1	1	8	3	4	9868	1.61	1.50	1.57	1.38	1.38	1.30	1.30
4	1	2	9	1	5	15175	2.36	2.24	2.28	1.93	2.05	1.61	1.81
4	1	2	9	2	5	15127	2.40	2.28	2.24	1.97	2.01	1.69	1.73
4	1	2	9	3	5	15048	2.44	2.28	2.28	2.05	2.05	1.73	1.77
4	1	2	14	1	4	10074	1.65	1.50	1.57	1.34	1.38	1.22	1.22
4	1	2	14	2	4	9995	1.61	1.50	1.57	1.38	1.34	1.22	1.18
4	1	2	14	3	4	9963	1.57	1.46	1.50	1.30	1.26	1.14	1.10
4	1	3	2	1	4	10090	1.65	1.54	1.69	1.26	1.42	1.18	1.46
4	1	3	2	2	4	10090	1.61	1.54	1.61	1.26	1.38	1.18	1.22
4	1	3	2	3	4	9947	1.57	1.54	1.57	1.26	1.34	1.18	1.22
4	1	3	14	1	5	15175	2.36	2.17	2.36	1.89	1.97	1.73	1.89
4	1	3	14	2	5	15080	2.36	2.20	2.36	1.89	1.89	1.73	1.81
4	1	3	14	3	5	15032	2.40	2.28	2.28	1.97	1.93	1.77	1.69
4	2	1	2	1	7	25392	3.82	3.62	3.66	2.99	3.58	2.83	3.43
4	2	1	2	2	7	25456	3.82	3.62	3.58	2.99	3.50	2.80	3.11

4	2	1	2	3	7	25488	3.78	3.58	3.62	2.99	3.54	2.80	3.31
4	2	2	1	1	7	25488	3.82	3.31	3.46	2.99	3.23	2.64	3.03
4	2	2	1	2	7	25599	3.86	3.43	3.46	3.03	3.19	2.60	2.80
4	2	2	1	3	7	25488	3.86	3.35	3.50	3.07	3.27	2.60	2.95
4	2	3	1	1	7	25329	3.82	3.46	3.50	3.15	3.27	2.80	2.87
4	2	3	1	2	7	25503	3.90	3.43	3.46	2.99	3.31	2.80	2.80
4	2	3	1	3	7	25376	7.36	3.46	3.54	3.03	3.23	2.76	2.95
5	1	1	12	1	3	6740	1.00	.70	.80	.60			
5	1	1	12	2	3	6800	1.00	.70	.80	.60			
5	1	1	12	3	3	6810	1.00	.70	.80	.70			
5	1	1	13	1	1	750	.30	.10	.20	.10			
5	1	1	13	2	1	680	.30	.10	.20	.10			
5	1	1	13	3	1	690	.30	.10	.10	.10			
5	1	1	13	4	1	720	.20	.10	.10	.00			
5	1	1	18	1	2	4860	.50	.40	.40	.40			
5	1	1	18	2	2	4890	.50	.30	.40	.30			
5	1	1	18	3	2	4870	.60	.30	.40	.40			
5	1	2	2	1	1	830	.20	.10	.10	.00			
5	1	2	2	2	1	900	.20	.10	.10	.10			
5	1	2	2	3	1	940	.20	.10	.10	.10			
5	1	2	4	1	3	6760	.80	.60	.70	.50			
5	1	2	4	2	3	6770	.80	.60	.60	.50			
5	1	2	4	3	3	6530	.80	.60	.60	.50			
5	1	2	15	1	2	4810	1.30	.50	.40	.40			
5	1	2	15	2	2	4890	1.30	.40	.40	.30			
5	1	2	15	3	2	4820	1.40	.40	.40	.40			
5	1	3	1	1	2	4880	.80	.50	.50	.40			
5	1	3	1	2	2	4840	.80	.50	.50	.50			
5	1	3	1	3	2	4730	.80	.50	.50	.40			
5	1	3	11	1	1	750	.20	.10	.20	.10			
5	1	3	11	2	1	770	.20	.10	.10	.10			
5	1	3	11	3	1	820	.20	.10	.10	.10			
5	1	3	13	1	3	6830	1.10	.70	.80	.70			
5	1	3	13	2	3	6760	1.00	.70	.80	.60			
5	1	3	13	3	3	6770	1.10	.70	.80	.60			
6	1	1	4	1	3	6921	1.07	.91	.86	.77	.73		
6	1	1	4	2	3	6371	1.01	.85	.80	.73	.69		
6	1	1	4	3	3	6689	1.06	.90	.85	.78	.72		
6	1	1	6	1	2	5131	.79	.67	.63	.57	.54		
6	1	1	6	2	2	5140	.80	.67	.65	.59	.56		
6	1	1	6	3	2	5154	.78	.66	.63	.58	.54		
6	1	1	14	1	5	14152	2.39	.00	1.51	1.39	1.29		
6	1	1	14	2	5	14398	2.32	.00	1.56	1.42	1.31		
6	1	1	14	3	5	14677	2.34	.00	1.59	1.45	1.34		
6	1	1	17	1	4	10164	1.36	.00	1.13	1.03	.96		
6	1	1	17	2	4	10182	1.36	.00	1.13	1.03	.94		
6	1	1	17	3	4	10061	1.34	.00	1.11	1.02	.94		
6	1	1	19	1	1	1059	.12	.11	.12	.12	.12		
6	1	1	19	2	1	1027	.12	.12	.12	.12	.13		
6	1	1	19	3	1	983	.12	.11	.13	.12	.13		
6	1	2	3	1	5	15052	2.07	1.80	1.68	1.53	1.40		
6	1	2	3	2	5	15089	2.08	1.79	1.68	1.52	1.40		
6	1	2	3	3	5	15934	2.20	1.87	1.76	1.60	1.47		
6	1	2	5	1	2	5252	.82	.73	.69	.63	.59		

6	1	2	5	2	2	5264	.78	.70	.66	.60	.55	
6	1	2	5	3	2	5203	.79	.71	.67	.61	.56	
6	1	2	7	1	3	7290	1.10	.98	.91	.83	.77	
6	1	2	7	2	3	7199	1.06	.95	.89	.80	.74	
6	1	2	7	3	3	7033	1.05	.93	.87	.78	.72	
6	1	2	11	1	4	10484	1.51	1.33	1.23	1.12	1.03	
6	1	2	11	2	4	10347	1.48	1.31	1.21	1.10	1.00	
6	1	2	11	3	4	10314	1.48	1.31	1.21	1.10	1.02	
6	1	2	13	1	1	952	.14	.12	.14	.13	.13	
6	1	2	13	2	1	1092	.17	.15	.16	.15	.14	
6	1	2	13	3	1	1032	.15	.14	.15	.15	.14	
6	1	3	10	1	5	14932	1.91	1.65	1.51	1.37	1.26	
6	1	3	10	2	5	15045	1.92	1.67	1.52	1.38	1.28	
6	1	3	10	3	5	14934	1.92	1.66	1.52	1.38	1.27	
6	1	3	12	1	2	5059	.79	.67	.63	.57	.52	
6	1	3	12	2	2	5190	.80	.66	.62	.57	.52	
6	1	3	12	3	2	5133	.80	.69	.64	.58	.53	
6	1	3	15	1	4	9944	1.34	1.20	1.13	1.03	.95	
6	1	3	15	2	4	9995	1.34	1.20	1.14	1.04	.96	
6	1	3	15	3	4	10023	1.32	1.18	1.11	1.00	.93	
6	1	3	17	1	1	1060	.18	.15	.17	.16	.16	
6	1	3	17	2	1	1054	.16	.13	.15	.14	.14	
6	1	3	17	3	1	1136	.18	.15	.16	.15	.16	
6	1	3	18	1	3	7998	1.20	.99	.93	.84	.77	
6	1	3	18	2	3	8450	1.23	1.01	.95	.85	.78	
6	1	3	18	3	3	8165	1.20	.99	.93	.84	.77	
7	1	1	5	1	5	14213	2.30	2.10	1.80	1.90	1.80	1.70
7	1	1	5	2	5	14213	2.30	2.10	1.80	1.90	1.70	1.60
7	1	1	5	3	5	14213	2.20	2.10	1.80	1.80	1.70	1.60
7	1	1	10	1	4	9887	2.60	2.50	2.20	1.70	1.30	1.10
7	1	1	10	2	4	9887	1.50	1.40	1.10	1.20	1.20	1.10
7	1	1	10	3	4	9887	1.60	1.50	1.10	1.20	1.20	1.10
7	1	2	1	1	5	14213	2.30	2.00	1.80	1.90	1.70	1.70
7	1	2	1	2	5	14213	2.20	2.00	1.80	1.80	1.70	1.60
7	1	2	1	3	5	14213	2.20	2.00	1.80	1.80	1.70	1.60
7	1	2	16	1	4	9681	1.60	1.50	1.10	1.20	1.10	1.10
7	1	2	16	2	4	9681	1.50	1.50	1.10	1.20	1.20	1.10
7	1	2	16	3	4	9681	1.50	1.50	1.10	1.20	1.20	1.10
7	1	3	8	1	5	14213	2.40	2.00	1.80	1.90	1.70	1.70
7	1	3	8	2	5	14213	2.30	2.00	1.70	1.80	1.70	1.60
7	1	3	8	3	5	14213	1.60	1.40	1.10	1.30	1.20	1.10
7	1	3	9	1	4	9475	1.70	1.50	1.10	1.30	1.20	1.10
7	1	3	9	2	4	9475	1.60	1.50	1.10	1.30	1.20	1.10
7	1	3	9	3	4	9475	1.60	1.50	1.10	1.20	1.20	1.10
7	2	1	1	1	6	19980	3.20	2.80	2.50	2.60	2.40	2.20
7	2	1	1	2	6	19980	3.10	2.80	2.50	2.50	2.40	2.10
7	2	1	1	3	6	19980	3.10	2.80	2.50	2.50	2.40	2.20
7	2	2	2	1	6	19156	3.10	2.80	2.60	2.60	2.40	2.00
7	2	2	2	2	6	19156	7.90	2.90	2.60	2.50	2.40	1.90
7	2	2	2	3	6	19156	3.10	2.80	2.50	2.50	2.40	1.80
7	2	3	4	1	6	19362	3.10	2.80	2.50	2.60	2.40	2.30
7	2	3	4	2	6	19362	3.20	2.90	2.50	2.50	2.40	2.20
7	2	3	4	3	6	19362	3.50	2.90	2.50	2.60	2.40	2.20

SITE 2

1	1	1	6	1	4	10119	4.37	3.07	2.95	2.79	2.55	2.28	2.08
1	1	1	6	2	4	10290	4.48	3.07	2.95	2.63	2.44	2.36	1.96
1	1	1	6	3	4	10261	4.29	2.95	2.95	2.75	2.55	2.48	1.96
1	1	1	8	1	5	13939	5.78	4.05	3.89	3.74	3.58	2.87	2.67
1	1	1	8	2	5	14169	5.27	3.97	4.01	3.62	3.38	2.79	2.59
1	1	1	8	3	5	14157	5.27	4.05	3.89	3.62	3.38	2.99	2.67
1	1	1	12	1	3	7100	3.50	2.28	2.08	1.92	1.77	1.69	1.37
1	1	1	12	2	3	7205	3.46	2.36	2.00	2.04	1.85	1.69	1.25
1	1	1	12	3	3	7195	3.26	2.36	2.08	1.92	1.85	1.88	1.37
1	1	1	17	1	2	5116	2.36	1.69	1.65	1.53	1.53	1.25	1.14
1	1	1	17	2	2	5210	2.36	1.88	1.61	1.49	1.33	1.37	1.14
1	1	1	17	3	2	5216	2.16	1.81	1.69	1.53	1.53	1.33	1.06
1	1	2	5	1	3	7112	3.14	2.20	2.08	2.04	1.77	1.69	1.37
1	1	2	5	2	3	7213	3.14	2.28	2.12	2.08	1.96	1.88	1.37
1	1	2	5	3	3	7213	3.11	2.28	2.20	2.04	1.77	1.77	1.45
1	1	2	6	1	2	5089	2.36	1.73	1.41	1.49	1.41	1.25	.94
1	1	2	6	2	2	5172	2.36	1.81	1.69	1.65	1.45	1.37	1.06
1	1	2	6	3	2	5190	2.36	1.69	1.61	1.53	1.33	1.25	.94
1	1	2	16	1	4	10107	4.68	3.14	2.95	2.83	2.67	2.24	1.96
1	1	2	16	2	4	10255	4.56	3.14	2.95	2.75	2.67	2.32	1.96
1	1	2	16	3	4	10260	4.48	3.14	3.07	2.83	2.75	2.44	1.96
1	1	2	19	1	5	13822	5.66	4.25	3.97	3.74	3.58	3.03	2.79
1	1	2	19	2	5	14141	5.66	4.25	4.09	3.85	3.58	3.03	2.79
1	1	2	19	3	5	14126	5.43	4.13	4.01	3.93	3.58	3.03	2.79
1	1	3	1	1	3	7063	3.26	2.20	2.00	1.92	1.85	1.85	1.25
1	1	3	1	2	3	7169	3.14	2.20	2.08	1.92	1.85	1.73	1.25
1	1	3	1	3	3	7156	3.26	2.32	2.00	2.04	1.96	1.85	1.37
1	1	3	5	1	4	10113	4.76	3.07	2.95	2.75	2.67	2.44	1.96
1	1	3	5	2	4	10195	4.37	2.95	3.07	2.83	2.67	2.32	1.96
1	1	3	5	3	4	10255	4.48	3.14	3.07	2.83	2.75	2.44	2.08
1	1	3	7	1	5	13911	5.27	4.05	3.89	3.85	3.50	2.95	2.67
1	1	3	7	2	5	14171	5.27	4.13	4.01	3.85	3.58	3.03	2.79
1	1	3	7	3	5	14195	5.27	4.13	4.09	3.74	3.58	2.95	2.67
1	1	3	10	1	2	5074	2.36	1.88	1.53	1.53	1.65	1.33	1.14
1	1	3	10	2	2	5157	2.36	1.81	1.65	1.45	1.45	1.22	1.06
1	1	3	10	3	2	5133	2.32	1.81	1.53	1.53	1.45	1.18	1.14
2	1	1	10	1	4	10230	2.52	2.40	2.13	1.81	1.54	1.22	1.02
2	1	1	10	2	4	10030	2.64	2.48	2.05	1.81	1.54	1.30	1.02
2	1	1	10	3	4	9900	2.80	2.48	2.13	1.85	1.54	.98	.91
2	1	1	19	1	5	15830	4.21	3.74	3.39	2.87	2.40	1.97	1.65
2	1	1	19	2	5	15380	4.29	3.74	3.39	2.87	2.40	2.01	1.65
2	1	1	19	3	5	15210	4.33	3.74	3.39	2.87	2.40	2.01	1.65
2	1	2	3	1	4	9690	2.68	2.44	2.13	1.81	1.54	1.26	1.02
2	1	2	3	2	4	9790	2.76	2.44	2.17	1.81	1.54	1.26	1.02
2	1	2	3	3	4	9790	2.80	2.44	2.13	1.81	1.54	1.26	1.02
2	1	2	7	1	5	15800	4.17	3.74	3.35	2.83	2.36	1.97	1.65
2	1	2	7	2	5	15260	4.17	3.74	3.35	2.83	2.40	2.01	1.65
2	1	2	7	3	5	14860	4.29	3.74	3.35	2.83	2.36	2.05	1.65
2	1	3	2	1	5	15590	4.25	3.86	3.46	2.91	2.48	2.09	1.73
2	1	3	2	2	5	15210	4.29	3.86	3.50	2.95	2.48	2.09	1.69
2	1	3	2	3	5	15030	4.45	3.86	3.50	2.95	2.48	2.13	1.73
2	1	3	9	1	4	10440	2.56	2.44	2.24	1.89	1.57	1.18	.98

2	1	3	9	2	4	10190	2.56	2.48	2.20	1.85	1.57	1.30	1.02
2	1	3	9	3	4	10110	2.72	2.48	2.24	1.89	1.61	1.30	1.02
2	2	1	1	1	7	23580	7.52	6.50	5.91	5.04	4.25	3.54	2.87
2	2	1	1	2	7	22900	7.13	6.38	5.79	4.96	4.17	3.50	2.83
2	2	1	1	3	7	22800	6.81	6.34	5.75	4.88	4.09	3.46	2.80
2	2	1	2	1	9	44130	15.20	12.76	11.69	10.08	8.46	7.13	5.87
2	2	1	2	2	9	44270	15.24	12.91	11.77	10.12	8.50	7.20	5.94
2	2	1	2	3	9	44290	15.35	12.95	11.73	10.12	8.62	7.17	5.87
2	2	2	1	1	7	23390	7.24	6.50	5.75	5.04	4.17	3.50	2.83
2	2	2	1	2	7	22880	6.81	6.46	5.75	5.04	4.13	3.43	2.87
2	2	2	1	3	7	22820	6.73	6.50	5.79	5.08	4.13	3.43	2.87
2	2	2	2	1	9	44610	14.72	12.91	11.73	10.08	8.46	7.13	5.83
2	2	2	2	2	9	44260	15.00	12.95	11.69	10.12	8.46	7.13	5.71
2	2	2	2	3	9	44270	15.20	12.95	11.73	10.12	8.35	7.09	5.63
2	2	3	1	1	9	44080	14.84	12.91	11.69	10.12	8.50	7.13	5.83
2	2	3	1	2	9	44390	15.00	12.99	11.73	10.12	8.50	7.13	5.83
2	2	3	1	3	9	44340	15.04	12.95	11.69	10.12	8.50	7.13	5.83
2	2	3	4	1	7	23220	7.32	6.50	5.98	5.12	4.33	3.62	2.91
2	2	3	4	2	7	22870	7.05	6.54	5.98	5.12	4.33	3.62	2.91
2	2	3	4	3	7	22500	6.85	6.54	5.98	5.08	4.41	3.62	2.91
3	1	1	18	1	1	1000	.26	.24	.23	.18	.18		
3	1	1	18	2	1	1000	.25	.24	.23	.18	.18		
3	1	1	18	3	1	1000	.25	.24	.23	.18	.18		
3	1	2	4	1	1	1000	.25	.24	.23	.18	.18		
3	1	2	4	2	1	1000	.25	.24	.22	.18	.18		
3	1	2	4	3	1	1000	.25	.24	.23	.18	.18		
3	1	3	16	1	1	1000	.25	.23	.22	.18	.17		
3	1	3	16	2	1	1000	.25	.23	.22	.18	.17		
3	1	3	16	3	1	1000	.25	.23	.22	.18	.17		
4	1	1	9	1	5	14794	5.31	3.74	3.35	2.83	2.48	2.09	1.81
4	1	1	9	2	5	14778	5.20	3.62	3.35	2.80	2.48	2.09	2.01
4	1	1	9	3	5	14762	5.24	3.66	3.35	2.80	2.48	2.01	1.97
4	1	1	14	1	4	10122	3.90	2.76	2.32	2.01	1.81	1.42	1.26
4	1	1	14	2	4	10042	3.74	2.76	2.32	1.97	1.77	1.38	1.22
4	1	1	14	3	4	9979	3.66	2.72	2.32	1.97	1.77	1.42	1.26
4	1	2	2	1	4	10090	3.58	2.52	2.28	1.89	1.77	1.38	1.26
4	1	2	2	2	4	10027	3.50	2.52	2.28	1.89	1.73	1.38	1.22
4	1	2	2	3	4	9947	3.46	2.52	2.28	1.85	1.77	1.38	1.30
4	1	2	14	1	5	14794	5.28	3.82	3.46	2.87	2.56	2.01	1.89
4	1	2	14	2	5	14762	5.20	3.82	3.46	2.83	2.56	2.01	1.85
4	1	2	14	3	5	14666	5.16	3.82	3.50	2.76	2.60	1.97	2.05
4	1	3	15	1	4	9788	3.62	2.56	2.44	1.97	1.77	1.46	1.30
4	1	3	15	2	4	9788	3.62	2.60	2.44	2.01	1.77	1.50	1.26
4	1	3	15	3	4	9741	3.50	2.56	2.36	1.97	1.69	1.42	1.22
4	1	3	17	1	5	14762	5.20	4.02	3.62	2.87	2.64	1.85	1.93
4	1	3	17	2	5	14746	5.16	4.02	3.54	2.95	2.56	2.01	1.81
4	1	3	17	3	5	14730	5.16	3.98	3.58	2.91	2.60	1.89	1.89
4	2	1	3	1	7	25170	8.82	6.73	6.22	5.12	4.61	3.62	3.35
4	2	1	3	2	7	25345	8.66	6.85	6.14	5.04	4.53	3.62	3.27
4	2	1	3	3	7	25297	8.50	6.73	6.10	5.04	4.49	3.58	3.11
4	2	2	3	1	7	25240	8.82	6.95	6.44	5.24	4.68	3.76	3.46
4	2	2	3	2	7	25392	8.74	7.03	6.40	5.20	4.68	3.80	3.29
4	2	2	3	3	7	25376	8.57	6.87	6.24	5.12	4.56	3.72	3.17
4	2	3	3	1	7	25232	8.61	6.78	6.32	5.24	4.56	3.60	3.41

4	2	3	3	2	7	25320	8.65	6.82	6.32	5.28	4.56	3.56	3.25
4	2	3	3	3	7	25360	8.57	6.78	6.28	5.28	4.52	3.56	3.21
5	1	1	2	1	1	1150	.50	.30	.20	.20			
5	1	1	2	2	1	950	.50	.30	.20	.20			
5	1	1	2	3	1	1170	.40	.30	.20	.20			
5	1	1	4	1	3	6770	1.90	1.30	1.10	.90			
5	1	1	4	2	3	6770	2.00	1.30	1.20	.90			
5	1	1	4	3	3	6740	1.90	1.40	1.30	.90			
5	1	1	15	1	2	4980	1.50	1.00	.80	.70			
5	1	1	15	2	2	5010	1.50	1.00	.80	.60			
5	1	1	15	3	2	4960	1.40	1.00	.80	.70			
5	1	2	1	1	2	4950	1.50	1.00	.80	.60			
5	1	2	1	2	2	4900	1.50	.90	.80	.60			
5	1	2	1	3	2	4960	1.50	1.00	.70	.60			
5	1	2	11	1	1	800	.40	.20	.20	.10			
5	1	2	11	2	1	940	.40	.20	.20	.10			
5	1	2	11	3	1	1040	.40	.20	.20	.10			
5	1	2	13	1	3	6870	2.00	1.30	1.10	.90			
5	1	2	13	2	3	6900	2.00	1.30	1.10	.90			
5	1	2	13	3	3	6870	2.10	1.30	1.00	.90			
5	1	3	3	1	3	6980	2.00	1.40	1.10	.90			
5	1	3	3	2	3	7000	2.00	1.30	1.10	.90			
5	1	3	3	3	3	7090	2.00	1.40	1.10	.90			
5	1	3	11	1	1	780	.40	.20	.20	.10			
5	1	3	11	2	1	800	.30	.20	.20	.10			
5	1	3	11	3	1	860	.40	.20	.20	.20			
5	1	3	12	1	2	5000	1.40	1.00	.80	.60			
5	1	3	12	2	2	5050	1.40	1.00	.80	.60			
5	1	3	12	3	2	5020	1.40	1.00	.80	.60			
6	1	1	3	1	5	14801	4.26	3.41	2.82	2.28	1.94		
6	1	1	3	2	5	14264	4.11	3.31	2.74	2.23	1.90		
6	1	1	3	3	5	14600	4.20	3.40	2.81	2.28	1.93		
6	1	1	5	1	2	4818	1.36	1.11	.92	.74	.64		
6	1	1	5	2	2	4820	1.34	1.11	.92	.74	.64		
6	1	1	5	3	2	5176	1.43	1.18	.97	.78	.67		
6	1	1	7	1	3	6760	1.95	1.58	1.32	1.08	.93		
6	1	1	7	2	3	6807	1.94	1.60	1.33	1.09	.94		
6	1	1	7	3	3	6833	1.95	1.60	1.33	1.09	.94		
6	1	1	11	1	4	9937	2.94	2.40	1.98	1.62	1.40		
6	1	1	11	2	4	10040	2.94	2.41	1.99	1.63	1.40		
6	1	1	11	3	4	10291	3.00	2.47	2.03	1.66	1.43		
6	1	1	13	1	1	1080	.28	.22	.22	.18	.16		
6	1	1	13	2	1	1056	.26	.21	.20	.17	.15		
6	1	1	13	3	1	1092	.28	.22	.22	.18	.17		
6	1	2	10	1	5	15048	4.34	3.57	2.90	2.35	1.99		
6	1	2	10	2	5	14128	4.10	3.37	2.75	2.24	1.90		
6	1	2	10	3	5	14558	4.20	3.47	2.93	2.30	1.95		
6	1	2	12	1	2	4575	1.30	1.07	.88	.71	.61		
6	1	2	12	2	2	4705	1.36	1.12	.93	.76	.66		
6	1	2	12	3	2	5322	1.51	1.23	1.01	.83	.71		
6	1	2	15	1	4	9977	2.87	2.36	1.96	1.60	1.38		
6	1	2	15	2	4	10169	2.92	2.40	2.00	1.63	1.40		
6	1	2	15	3	4	10165	2.90	2.39	1.99	1.61	1.39		
6	1	2	17	1	1	1016	.26	.20	.20	.17	.16		

6	1	2	17	2	1	1046	.27	.22	.20	.17	.15	
6	1	2	17	3	1	977	.24	.18	.17	.14	.13	
6	1	2	18	1	3	6887	1.98	1.62	1.31	1.09	.93	
6	1	2	18	2	3	6963	2.02	1.65	1.34	1.13	.97	
6	1	2	18	3	3	7101	2.04	1.67	1.37	1.14	.99	
6	1	3	4	1	5	14432	4.23	3.43	2.75	2.27	1.93	
6	1	3	4	2	5	14326	4.21	3.45	2.77	2.28	1.95	
6	1	3	4	3	5	14493	4.25	3.49	2.80	2.31	1.96	
6	1	3	13	1	2	5189	1.49	1.22	1.02	.82	.71	
6	1	3	13	2	2	4927	1.42	1.17	.97	.78	.67	
6	1	3	13	3	2	5356	1.53	1.27	1.06	.85	.74	
6	1	3	14	1	1	911	.23	.18	.18	.15	.14	
6	1	3	14	2	1	1036	.26	.20	.20	.16	.14	
6	1	3	14	3	1	998	.26	.20	.20	.17	.15	
6	1	3	18	1	4	10242	2.98	2.47	2.04	1.66	1.42	
6	1	3	18	2	4	10094	2.95	2.44	2.02	1.65	1.41	
6	1	3	18	3	4	10196	2.99	2.48	2.06	1.69	1.44	
6	1	3	19	1	3	6999	2.02	1.68	1.38	1.14	.98	
6	1	3	19	2	3	7071	2.03	1.68	1.38	1.14	.99	
6	1	3	19	3	3	7151	2.06	1.71	1.41	1.16	.97	
7	1	1	1	1	5	15655	4.30	2.60	2.30	2.10	1.70	1.50
7	1	1	1	2	5	15655	4.00	2.60	2.20	2.00	1.70	1.50
7	1	1	1	3	5	15655	3.90	2.60	2.20	2.00	1.70	1.50
7	1	1	16	1	4	10299	3.10	1.70	1.40	1.30	1.10	1.00
7	1	1	16	2	4	10299	2.60	1.70	1.30	1.30	1.00	.90
7	1	1	16	3	4	10299	2.50	1.70	1.30	1.30	1.10	.90
7	1	2	8	1	5	12977	3.30	2.30	2.00	1.80	1.50	1.40
7	1	2	8	2	5	12977	3.10	2.30	1.90	1.80	1.50	1.30
7	1	2	8	3	5	12977	3.10	2.30	2.00	1.80	1.50	1.30
7	1	2	9	1	4	9475	2.60	1.70	1.40	1.30	1.10	1.00
7	1	2	9	2	4	9475	2.40	1.70	1.30	1.30	1.10	1.00
7	1	2	9	3	4	9475	2.30	1.70	1.30	1.30	1.10	1.00
7	1	3	6	1	4	10196	3.00	1.70	1.40	1.30	1.10	1.00
7	1	3	6	2	4	10196	2.60	1.70	1.40	1.30	1.20	1.00
7	1	3	6	3	4	10196	2.60	1.70	1.40	1.30	1.20	1.00
7	1	3	8	1	5	13801	3.70	2.40	2.20	2.00	1.70	1.50
7	1	3	8	2	5	13801	3.30	2.50	2.10	1.90	1.60	1.40
7	1	3	8	3	5	13801	3.30	2.40	2.10	1.90	1.60	1.40
7	2	1	4	1	6	20186	7.40	5.30	4.90	4.20	3.50	3.00
7	2	1	4	2	6	20186	6.70	5.20	4.60	4.00	3.30	2.80
7	2	1	4	3	6	20186	6.70	5.30	4.70	4.10	3.50	2.90
7	2	2	4	1	6	20598	7.20	5.40	4.90	4.30	3.50	3.10
7	2	2	4	2	6	20598	6.80	5.40	4.80	4.10	3.50	3.00
7	2	2	4	3	6	20598	6.60	5.30	4.70	4.20	3.60	3.00
7	2	3	2	1	6	20392	7.80	5.40	5.00	4.30	3.50	3.00
7	2	3	2	2	6	20392	7.70	5.50	4.90	4.10	3.50	3.00
7	2	3	2	3	6	20392	7.10	5.40	4.90	4.10	3.40	3.00

SITE 3

1	1	1	5	1	3	7104	2.16	1.81	1.69	1.45	1.53	1.33	1.25
1	1	1	5	2	3	7162	2.04	1.88	1.81	1.53	1.33	1.18	1.14
1	1	1	5	3	3	7166	2.04	2.00	1.81	1.65	1.45	1.25	1.14
1	1	1	6	1	2	5148	1.53	1.41	1.14	1.33	1.14	1.06	.74

1	1	1	6	2	2	5166	1.53	1.41	1.10	1.18	1.25	1.06	.74
1	1	1	6	3	2	5173	1.45	1.41	1.22	1.14	1.06	1.06	.74
1	1	1	16	1	4	10083	2.87	2.48	2.48	2.20	2.16	1.85	1.57
1	1	1	16	2	4	10225	2.87	2.48	2.48	2.24	2.04	1.85	1.65
1	1	1	16	3	4	10213	2.87	2.55	2.48	2.32	2.16	1.85	1.65
1	1	1	19	1	5	13960	3.66	3.46	3.22	3.14	2.87	2.67	2.08
1	1	1	19	2	5	14124	3.77	3.54	3.34	3.34	2.95	2.51	2.16
1	1	1	19	3	5	14124	3.66	3.46	3.34	3.03	2.95	2.67	2.16
1	1	2	1	1	3	7075	2.04	1.88	1.81	1.53	1.45	1.33	1.06
1	1	2	1	2	3	7177	2.16	1.88	1.69	1.53	1.45	1.33	1.14
1	1	2	1	3	3	7173	2.04	1.88	1.81	1.65	1.53	1.33	1.14
1	1	2	5	1	4	10125	2.75	2.48	2.55	2.32	2.16	1.96	1.65
1	1	2	5	2	4	10255	2.95	2.55	2.55	2.32	2.16	1.96	1.77
1	1	2	5	3	4	10243	2.87	2.55	2.51	2.24	2.16	1.85	1.77
1	1	2	7	1	5	13919	3.58	3.46	3.42	3.14	2.95	2.55	2.16
1	1	2	7	2	5	14218	3.77	3.54	3.54	3.14	3.07	2.67	2.16
1	1	2	7	3	5	14161	3.77	3.54	3.34	3.14	3.07	2.67	2.28
1	1	2	10	1	2	5101	1.53	1.41	1.14	1.22	1.14	1.14	.86
1	1	2	10	2	2	5160	1.65	1.29	1.14	1.22	1.14	1.06	.74
1	1	2	10	3	2	5157	1.65	1.41	1.37	1.33	1.25	1.06	.86
1	1	3	11	1	3	7081	2.16	1.88	1.81	1.65	1.53	1.25	1.14
1	1	3	11	2	3	7163	2.04	1.81	1.69	1.73	1.53	1.25	1.06
1	1	3	11	3	3	7167	2.24	1.81	1.69	1.69	1.45	1.33	1.14
1	1	3	13	1	5	13817	3.66	3.54	3.34	3.14	3.07	2.55	2.16
1	1	3	13	2	5	14120	3.58	3.46	3.42	3.14	3.07	2.55	2.16
1	1	3	13	3	5	14161	3.66	3.70	3.42	3.14	3.07	2.67	2.28
1	1	3	14	1	2	5086	1.45	1.41	1.22	1.22	1.14	1.06	.74
1	1	3	14	2	2	5157	1.65	1.41	1.33	1.14	1.25	1.06	.86
1	1	3	14	3	2	5178	1.65	1.49	1.22	1.22	1.25	1.06	.86
1	1	3	17	1	4	10107	2.87	2.67	2.55	2.32	2.16	1.85	1.77
1	1	3	17	2	4	10267	2.75	2.67	2.48	2.32	2.16	1.96	1.57
1	1	3	17	3	4	10243	2.75	2.48	2.48	2.32	2.16	1.96	1.77
2	1	1	3	1	4	10190	2.76	2.48	2.20	1.89	1.61	1.38	1.10
2	1	1	3	2	4	10140	2.80	2.48	2.20	1.89	1.61	1.38	1.10
2	1	1	3	3	4	10090	2.80	2.48	2.20	1.85	1.61	1.38	1.10
2	1	1	7	1	5	16430	3.90	3.74	3.19	2.76	2.32	2.01	1.65
2	1	1	7	2	5	16460	3.82	3.70	3.19	2.76	2.32	2.01	1.69
2	1	1	7	3	5	16370	3.86	3.66	3.19	2.76	2.36	2.01	1.69
2	1	2	2	1	5	17370	4.45	3.70	3.31	2.83	2.40	2.05	1.69
2	1	2	2	2	5	17390	4.25	3.70	3.31	2.80	2.40	2.05	1.69
2	1	2	2	3	5	17050	4.29	3.66	3.23	2.80	2.40	2.01	1.69
2	1	2	9	1	4	12170	2.48	2.44	2.24	1.89	1.61	1.34	1.06
2	1	2	9	2	4	12010	2.48	2.44	2.24	1.89	1.61	1.34	1.10
2	1	2	9	3	4	11760	2.60	2.44	2.24	1.89	1.61	1.34	1.10
2	1	3	4	1	4	12540	2.87	2.52	2.01	1.97	1.22	1.22	1.22
2	1	3	4	2	4	11890	2.91	2.44	2.13	1.89	1.61	1.38	1.10
2	1	3	4	3	4	11860	2.87	2.40	2.17	1.93	1.73	1.46	1.10
2	1	3	5	1	5	16990	4.17	3.74	3.31	2.83	2.40	2.01	1.69
2	1	3	5	2	5	16830	4.06	3.74	3.31	2.83	2.40	2.01	1.69
2	1	3	5	3	5	16640	4.13	3.74	3.31	2.83	2.40	2.05	1.65
2	2	1	1	1	7	27250	8.86	8.74	7.36	7.01	5.91	5.00	4.09
2	2	1	1	2	7	26710	8.23	8.78	7.68	6.97	5.94	4.84	4.02
2	2	1	1	3	7	26820	8.35	8.78	7.99	6.97	6.02	5.00	4.02
2	2	1	2	1	9	51100	17.44	16.54	15.20	13.23	11.26	9.45	7.56

2	2	1	2	2	9	50880	17.44	16.42	14.96	13.07	11.10	9.25	7.40
2	2	1	2	3	9	51020	17.52	16.34	14.92	12.99	11.06	9.29	7.40
2	2	2	1	1	7	28500	8.07	8.66	7.87	6.97	5.91	4.84	3.94
2	2	2	1	2	7	26960	7.24	8.62	7.76	6.89	5.79	4.69	3.90
2	2	2	1	3	7	26600	8.50	8.66	7.83	6.85	5.94	4.96	3.94
2	2	2	2	1	9	51630	18.19	16.46	15.71	13.11	11.30	9.37	7.60
2	2	2	2	2	9	50920	17.52	16.26	14.69	12.95	11.02	9.21	7.44
2	2	2	2	3	9	50740	17.40	16.02	14.65	12.76	10.91	9.02	7.20
2	2	3	1	1	9	50810	16.85	16.34	14.88	12.99	10.98	9.17	7.48
2	2	3	1	2	9	50880	17.20	16.54	14.88	13.07	11.10	9.21	7.52
2	2	3	1	3	9	50740	17.13	16.57	14.88	13.15	11.10	9.29	7.40
2	2	3	3	1	7	26710	8.90	8.54	7.76	6.89	5.75	4.72	3.90
2	2	3	3	2	7	26460	8.62	8.58	7.80	6.81	5.79	4.80	3.98
2	2	3	3	3	7	26390	8.66	8.54	7.80	6.85	5.79	4.76	3.94
3	1	1	4	1	1	1000	.21	.19	.18	.13	.13		
3	1	1	4	2	1	1000	.21	.19	.18	.14	.13		
3	1	1	4	3	1	1000	.21	.19	.18	.13	.13		
3	1	2	16	1	1	1000	.19	.18	.17	.13	.12		
3	1	2	16	2	1	1000	.19	.18	.17	.13	.12		
3	1	2	16	3	1	1000	.19	.18	.17	.13	.12		
3	1	3	18	1	1	1000	.20	.18	.18	.13	.12		
3	1	3	18	2	1	1000	.20	.18	.18	.13	.12		
3	1	3	18	3	1	1000	.20	.18	.17	.13	.12		
4	1	1	2	1	4	10472	2.56	2.32	2.17	1.85	1.65	1.34	1.22
4	1	1	2	2	4	10392	2.52	2.36	2.13	1.81	1.65	1.34	1.22
4	1	1	2	3	4	10360	2.48	2.28	2.09	1.77	1.61	1.30	1.18
4	1	1	14	1	5	15000	3.86	3.50	3.15	2.68	2.40	2.05	1.69
4	1	1	14	2	5	14984	3.82	3.46	3.11	2.64	2.40	2.05	1.69
4	1	1	14	3	5	14968	3.86	3.46	3.11	2.64	2.40	2.05	1.73
4	1	2	15	1	4	10344	2.56	2.40	2.17	1.77	1.57	1.26	1.26
4	1	2	15	2	4	10328	2.52	2.36	2.20	1.77	1.57	1.26	1.14
4	1	2	15	3	4	10233	2.56	2.36	2.17	1.77	1.57	1.26	1.14
4	1	2	17	1	5	14952	3.90	3.50	3.19	2.68	2.36	1.89	1.69
4	1	2	17	2	5	14921	3.86	3.50	3.19	2.72	2.32	1.93	1.65
4	1	2	17	3	5	14873	3.90	3.46	3.19	2.72	2.28	1.89	1.65
4	1	3	6	1	4	10265	2.56	2.32	2.20	1.81	1.46	1.26	1.22
4	1	3	6	2	4	10201	2.56	2.32	2.13	1.73	1.54	1.30	1.18
4	1	3	6	3	4	10201	2.52	2.28	2.13	1.77	1.50	1.26	1.18
4	1	3	9	1	5	15000	3.90	3.58	3.27	2.64	2.44	2.01	1.81
4	1	3	9	2	5	14905	3.90	3.58	3.19	2.60	2.40	1.97	1.77
4	1	3	9	3	5	14905	3.86	3.54	3.23	2.64	2.36	1.97	1.77
4	2	1	3	1	7	24677	8.86	8.23	7.52	6.46	5.59	4.69	3.86
4	2	1	3	2	7	24900	8.82	8.11	7.52	6.50	5.63	4.69	3.82
4	2	1	3	3	7	24947	8.86	8.23	7.60	6.69	5.75	4.80	3.98
4	2	2	3	1	7	24900	8.62	8.03	7.48	6.42	5.79	4.65	3.94
4	2	2	3	2	7	25027	8.70	7.99	7.48	6.38	5.79	4.61	3.90
4	2	2	3	3	7	25074	8.78	8.03	7.48	6.38	5.67	4.53	3.86
4	2	3	4	1	7	25186	8.50	7.95	7.24	6.26	5.47	4.33	3.82
4	2	3	4	2	7	25281	8.43	7.95	7.32	6.30	5.51	4.33	3.70
4	2	3	4	3	7	25329	8.50	7.99	7.36	6.34	5.59	4.45	3.86
5	1	1	1	1	2	5240	2.00	1.20	1.00	.90			
5	1	1	1	2	2	5160	2.00	1.20	1.00	.90			
5	1	1	1	3	2	5160	2.00	1.10	1.00	.90			
5	1	1	1	4	2	5080	2.00	1.10	1.00	.80			

5	1	1	1	5	2	5080	2.00	1.20	1.00	.90	
5	1	1	11	1	1	850	.40	.30	.20	.20	
5	1	1	11	2	1	970	.40	.20	.20	.20	
5	1	1	11	3	1	870	.40	.20	.20	.20	
5	1	1	11	4	1	880	.40	.30	.20	.20	
5	1	1	11	5	1	860	.40	.30	.20	.10	
5	1	1	13	1	3	6870	2.60	1.60	1.30	1.20	
5	1	1	13	2	3	6850	2.60	1.60	1.30	1.20	
5	1	1	13	3	3	6900	2.60	1.60	1.30	1.20	
5	1	2	3	1	3	6900	2.70	1.60	1.30	1.20	
5	1	2	3	2	3	6910	2.70	1.60	1.30	1.20	
5	1	2	3	3	3	6860	2.70	1.60	1.30	1.20	
5	1	2	11	1	1	1190	.40	.30	.30	.20	
5	1	2	11	2	1	1030	.50	.30	.20	.20	
5	1	2	11	3	1	1210	.40	.30	.20	.20	
5	1	2	12	1	2	5110	1.90	1.20	1.00	.90	
5	1	2	12	2	2	5130	1.90	1.20	1.00	.90	
5	1	2	12	3	2	5110	1.80	1.10	1.00	.90	
5	1	3	2	1	2	5000	1.70	1.20	1.10	.90	
5	1	3	2	2	2	5080	1.70	1.20	1.10	.90	
5	1	3	2	3	2	5060	1.70	1.20	1.10	.90	
5	1	3	7	1	1	1160	.50	.30	.20	.20	
5	1	3	7	2	1	1200	.50	.30	.20	.20	
5	1	3	7	3	1	1200	.50	.30	.20	.20	
5	1	3	15	1	3	6970	2.60	1.70	1.40	1.20	
5	1	3	15	2	3	7020	2.60	1.70	1.40	1.20	
5	1	3	15	3	3	7010	2.60	1.70	1.40	1.20	
6	1	1	10	1	5	14678	4.33	3.34	2.65	2.19	1.83
6	1	1	10	2	5	15181	4.50	3.52	2.80	2.30	1.92
6	1	1	10	3	5	13634	3.92	3.11	2.47	2.04	1.70
6	1	1	12	1	2	4238	1.56	1.04	.83	.68	.57
6	1	1	12	2	2	4775	1.72	1.16	.93	.76	.64
6	1	1	12	3	2	4412	1.58	1.04	.83	.68	.57
6	1	1	15	1	4	9878	3.28	2.23	1.76	1.46	1.21
6	1	1	15	2	4	10101	3.32	2.27	1.80	1.49	1.25
6	1	1	15	3	4	10715	3.53	2.45	1.95	1.61	1.35
6	1	1	17	1	1	1238	.38	.27	.23	.20	.17
6	1	1	17	2	1	668	.15	.12	.11	.10	.09
6	1	1	17	3	1	883	.23	.17	.15	.13	.11
6	1	1	18	1	3	7378	2.45	1.71	1.35	1.12	.94
6	1	1	18	2	3	7141	2.36	1.65	1.31	1.09	.92
6	1	1	18	3	3	7370	2.46	1.73	1.38	1.14	.95
6	1	2	4	1	5	14750	4.32	3.42	2.71	2.23	1.85
6	1	2	4	2	5	15003	4.42	3.50	2.78	2.30	1.90
6	1	2	4	3	5	14809	4.29	3.42	2.73	2.25	1.86
6	1	2	13	1	2	4694	1.60	1.11	.89	.73	.60
6	1	2	13	2	2	5710	1.90	1.34	1.09	.90	.75
6	1	2	13	3	2	5375	1.79	1.25	1.01	.83	.69
6	1	2	14	1	1	1116	.34	.21	.20	.17	.15
6	1	2	14	2	1	1132	.34	.22	.20	.17	.14
6	1	2	14	3	1	1102	.33	.21	.19	.16	.14
6	1	2	18	1	4	9650	3.19	2.21	1.79	1.48	1.23
6	1	2	18	2	4	10542	3.56	2.46	1.99	1.65	1.36
6	1	2	18	3	4	10122	3.29	2.32	1.87	1.56	1.31

6	1	2	19	1	3	7126	2.34	1.61	1.32	1.09	.90	
6	1	2	19	2	3	7278	2.40	1.65	1.35	1.11	.93	
6	1	2	19	3	3	7232	2.37	1.64	1.35	1.11	.93	
6	1	3	1	1	4	9758	3.28	2.21	1.80	1.48	1.23	
6	1	3	1	2	4	10036	3.34	2.28	1.86	1.54	1.27	
6	1	3	1	3	4	10164	3.43	2.33	1.89	1.55	1.28	
6	1	3	3	1	1	1154	.33	.23	.20	.17	.13	
6	1	3	3	2	1	1078	.30	.21	.18	.15	.13	
6	1	3	3	3	1	1076	.30	.21	.19	.16	.13	
6	1	3	8	1	2	5161	1.54	1.15	.94	.74	.62	
6	1	3	8	2	2	4945	1.49	1.12	.91	.71	.59	
6	1	3	8	3	2	4732	1.42	1.04	.86	.68	.56	
6	1	3	10	1	5	14561	4.27	3.35	2.68	2.17	1.79	
6	1	3	10	2	5	14442	4.20	3.32	2.65	2.15	1.78	
6	1	3	10	3	5	13897	4.09	3.21	2.57	2.08	1.70	
6	1	3	19	1	3	7415	2.47	1.66	1.35	1.07	.88	
6	1	3	19	2	3	7357	2.38	1.60	1.31	1.04	.85	
6	1	3	19	3	3	7545	2.48	1.68	1.37	1.09	.89	
7	1	1	8	1	5	15037	3.90	3.50	3.00	2.70	2.30	2.00
7	1	1	8	2	5	15037	3.80	3.40	2.90	2.60	2.30	2.00
7	1	1	8	3	5	15037	3.70	3.30	2.90	2.60	2.20	2.00
7	1	1	9	1	4	10711	2.80	2.40	2.00	1.90	1.60	1.50
7	1	1	9	2	4	10711	2.70	2.40	2.00	1.90	1.60	1.40
7	1	1	9	3	4	10711	2.70	2.40	2.00	1.90	1.60	1.40
7	1	2	6	1	4	11741	3.00	2.50	2.10	2.00	1.70	1.50
7	1	2	6	2	4	11741	2.80	2.40	2.00	1.90	1.70	1.40
7	1	2	6	3	4	11741	2.80	2.40	2.00	1.90	1.70	1.50
7	1	2	8	1	5	15140	4.00	3.50	3.10	2.80	2.30	2.10
7	1	2	8	2	5	15140	3.80	3.40	3.00	2.60	2.30	2.00
7	1	2	8	3	5	15140	3.80	3.40	3.00	2.60	2.30	2.00
7	1	3	12	1	5	14625	4.00	3.50	3.10	2.80	2.30	2.10
7	1	3	12	2	5	14625	3.90	3.40	3.00	2.70	2.30	2.00
7	1	3	12	3	5	14625	3.90	3.40	3.00	2.70	2.30	2.00
7	1	3	16	1	4	9990	2.60	2.30	1.90	1.80	1.50	1.40
7	1	3	16	2	4	9990	2.60	2.40	1.90	1.80	1.60	1.40
7	1	3	16	3	4	9990	2.60	2.40	1.90	1.80	1.60	1.40
7	2	1	4	1	6	19980	7.00	6.50	6.00	5.30	4.50	3.90
7	2	1	4	2	6	19980	6.80	6.30	5.70	5.00	4.30	3.60
7	2	1	4	3	6	19980	6.80	6.30	5.70	5.10	4.30	3.70
7	2	2	4	1	6	19980	7.00	6.30	5.90	5.20	4.40	3.80
7	2	2	4	2	6	19980	6.60	6.10	5.60	4.90	4.20	3.60
7	2	2	4	3	6	19980	6.50	6.00	5.40	4.80	4.10	3.50
7	2	3	2	1	6	20907	7.00	6.20	5.70	5.10	4.30	3.70
7	2	3	2	2	6	20907	6.80	6.10	5.50	4.80	4.20	3.50
7	2	3	2	3	6	20907	6.70	6.00	5.50	4.80	4.20	3.50

SITE 4

1	1	1	1	1	3	7053	13.00	9.48	6.96	4.64	3.11	1.96	1.14
1	1	1	1	2	3	7148	11.40	8.03	5.98	4.13	2.87	1.65	1.14
1	1	1	1	3	3	7121	11.10	7.95	5.94	4.13	2.95	1.77	1.25
1	1	1	6	1	4	10010	19.80	13.90	10.60	7.00	4.88	2.67	1.77
1	1	1	6	2	4	10154	16.90	11.80	9.01	6.18	4.37	2.55	1.85
1	1	1	6	3	4	10178	16.40	11.50	8.89	6.18	4.29	2.55	1.85

1	1	1	7	1	5	13958	23.20	16.70	12.80	8.89	6.33	3.58	2.36
1	1	1	7	2	5	14084	21.70	15.80	12.30	8.38	6.10	3.58	2.51
1	1	1	7	3	5	14106	21.50	15.70	12.20	8.38	6.02	3.38	2.48
1	1	1	10	1	2	5071	8.89	6.37	4.68	3.22	2.24	1.33	1.06
1	1	1	10	2	2	5130	7.99	5.78	4.29	3.03	2.16	1.33	.94
1	1	1	10	3	2	5130	8.11	5.78	4.21	3.03	2.24	1.53	.94
1	1	2	11	1	3	6990	13.80	10.40	7.83	5.23	3.66	1.96	1.25
1	1	2	11	2	3	7124	12.10	9.09	6.81	4.52	3.14	1.85	1.25
1	1	2	11	3	3	7122	11.80	8.81	6.45	4.44	3.26	1.96	1.37
1	1	2	13	1	5	13762	24.20	17.90	13.70	9.29	6.73	3.85	2.48
1	1	2	13	2	5	14021	22.20	16.80	12.70	8.97	6.37	3.77	2.36
1	1	2	13	3	5	14088	22.10	16.70	12.80	8.97	6.37	3.77	2.63
1	1	2	14	1	2	5033	8.81	6.37	4.56	3.22	2.36	1.45	.94
1	1	2	14	2	2	5104	8.30	6.18	4.40	3.18	2.36	1.49	.94
1	1	2	14	3	2	5095	8.30	6.18	4.48	3.03	2.24	1.53	.94
1	1	2	17	1	4	10018	18.30	13.50	10.30	6.92	4.76	2.79	1.85
1	1	2	17	2	4	10189	17.00	12.60	9.76	6.69	4.72	2.75	1.96
1	1	2	17	3	4	10136	16.60	12.50	9.56	6.37	4.72	2.67	1.96
1	1	3	3	1	4	10030	18.50	13.70	10.40	6.88	4.88	2.95	1.96
1	1	3	3	2	4	10178	17.20	12.60	9.76	6.57	4.68	2.79	1.96
1	1	3	3	3	4	10166	16.80	12.50	9.68	6.57	4.68	2.87	1.77
1	1	3	5	1	5	13927	27.50	19.80	15.40	10.30	7.20	3.81	2.51
1	1	3	5	2	5	14141	23.30	17.00	13.10	8.89	6.37	3.74	2.51
1	1	3	5	3	5	14187	22.70	16.60	13.00	8.77	6.37	3.77	2.63
2	1	1	2	1	5	14800	30.43	14.57	7.76	4.65	3.23	2.44	1.89
2	1	1	2	2	5	14920	22.44	14.25	7.76	4.69	3.27	2.48	1.93
2	1	1	2	3	5	14870	22.24	14.13	7.68	4.65	3.27	2.48	1.93
2	1	1	9	1	4	10410	16.02	10.20	5.35	3.19	2.24	1.65	1.30
2	1	1	9	2	4	10460	15.51	9.69	5.20	3.19	2.24	1.69	1.34
2	1	1	9	3	4	10330	15.04	9.53	5.16	3.15	2.24	1.69	1.34
2	1	2	4	1	4	10270	17.40	11.38	5.75	3.23	2.28	1.73	1.34
2	1	2	4	2	4	10110	15.83	10.20	5.28	3.11	2.28	1.73	1.34
2	1	2	4	3	4	10190	15.59	10.04	5.24	3.11	2.28	1.73	1.34
2	1	2	5	1	5	14800	24.25	15.79	8.11	4.69	3.27	2.48	1.93
2	1	2	5	2	5	14830	23.03	15.04	7.83	4.69	3.35	2.52	1.93
2	1	2	5	3	5	14730	22.60	14.80	7.80	4.65	3.31	2.52	1.93
2	1	3	2	1	4	10090	17.60	11.30	5.83	3.39	2.32	1.73	1.34
2	1	3	2	2	4	10040	16.10	10.28	5.43	3.27	2.28	1.73	1.34
2	1	3	2	3	4	9950	15.59	10.00	5.31	3.27	2.28	1.73	1.34
2	2	1	1	1	7	24560	40.71	26.18	12.99	7.60	5.24	3.90	2.95
2	2	1	1	2	7	24560	40.83	26.26	13.03	7.64	5.28	3.94	2.99
2	2	1	1	3	7	24530	40.75	26.22	13.07	7.64	5.28	3.94	2.99
2	2	1	2	1	9	47130	73.94	47.28	23.86	13.70	9.09	6.61	5.08
2	2	1	2	2	9	47130	74.92	47.36	24.02	13.70	9.13	6.65	5.12
2	2	1	2	3	9	47200	74.06	47.24	24.02	13.74	9.13	6.69	5.12
2	2	2	1	1	7	24810	42.64	27.13	13.39	7.76	5.31	3.94	2.99
2	2	2	1	2	7	24710	41.57	26.65	13.27	7.76	5.31	3.94	2.99
2	2	2	1	3	7	24640	41.38	26.46	13.23	7.72	5.31	3.98	2.99
2	2	2	2	1	9	47270	74.57	48.39	24.29	13.98	9.17	6.69	5.12
2	2	2	2	2	9	47160	62.09	47.60	24.13	13.90	9.25	6.73	5.16
2	2	2	2	3	9	47020	68.11	47.32	24.13	13.86	9.17	6.73	5.12
2	2	3	2	1	7	24600	41.46	26.46	13.31	7.72	5.24	3.82	2.99
2	2	3	2	2	7	24670	41.61	26.06	13.23	7.72	5.28	3.94	2.99
2	2	3	2	3	7	24810	41.61	26.02	13.19	7.68	5.28	3.86	2.99

2	2	3	3	1	9	47160	79.17	47.60	24.13	13.86	9.21	6.65	5.16
2	2	3	3	2	9	47130	72.60	47.36	24.13	13.90	9.21	6.73	5.16
2	2	3	3	3	9	47020	71.93	47.09	24.02	13.78	9.13	6.65	5.08
3	1	1	16	1	1	1000	.62	.44	.29	.18	.14		
3	1	1	16	2	1	1000	.63	.44	.29	.18	.14		
3	1	1	16	3	1	1000	.62	.44	.29	.18	.14		
3	1	2	18	1	1	1000	.67	.46	.31	.19	.14		
3	1	2	18	2	1	1000	.66	.46	.31	.19	.14		
3	1	2	18	3	1	1000	.66	.46	.31	.19	.15		
4	1	1	15	1	4	9836	16.85	9.84	5.08	3.07	2.20	1.61	1.30
4	1	1	15	2	4	9756	15.55	9.09	4.80	2.95	2.13	1.57	1.30
4	1	1	15	3	4	9709	15.28	8.98	4.76	2.95	2.13	1.57	1.30
4	1	1	17	1	5	14539	24.25	14.09	7.17	4.25	3.03	2.17	1.89
4	1	1	17	2	5	14603	23.11	13.50	7.05	4.29	3.07	2.24	1.85
4	1	1	17	3	5	14523	22.72	13.27	6.97	4.25	3.07	2.24	1.85
4	1	2	6	1	4	9852	16.10	9.25	4.88	3.03	2.17	1.61	1.34
4	1	2	6	2	4	9820	15.51	9.02	4.84	2.99	2.17	1.61	1.34
4	1	2	6	3	4	9772	15.28	8.90	4.76	2.95	2.17	1.61	1.34
4	1	2	9	1	5	14492	25.51	15.20	7.76	4.49	3.15	2.28	1.97
4	1	2	9	2	5	14508	23.43	13.86	7.20	4.33	3.11	2.28	1.85
4	1	2	9	3	5	14476	23.07	13.62	7.13	4.29	3.11	2.28	1.89
4	1	3	7	1	4	9772	16.57	9.69	5.00	3.03	2.20	1.61	1.42
4	1	3	7	2	4	9741	16.06	9.37	4.88	2.99	2.20	1.61	1.42
4	1	3	7	3	4	9725	15.83	9.29	4.88	2.99	2.17	1.61	1.34
4	1	3	10	1	5	14333	25.35	14.09	7.17	4.37	3.11	2.28	1.93
4	1	3	10	2	5	14476	24.29	13.74	7.17	4.37	3.11	2.28	1.89
4	1	3	10	3	5	14428	23.98	13.66	7.17	4.37	3.11	2.28	1.93
4	2	1	3	1	7	24169	49.57	25.43	12.09	7.17	5.04	3.58	3.11
4	2	1	3	2	7	24359	47.36	24.80	11.89	7.09	5.04	3.62	2.95
4	2	1	3	3	7	24391	47.05	24.76	11.89	7.09	4.96	3.62	2.95
4	2	2	3	1	7	24216	49.02	25.12	12.17	7.17	5.08	3.58	3.07
4	2	2	3	2	7	24423	47.17	24.29	11.93	7.09	5.04	3.62	2.99
4	2	2	3	3	7	24391	46.81	24.17	11.89	7.05	5.00	3.58	2.91
4	2	3	1	1	7	24280	47.40	24.13	11.85	7.05	5.04	3.62	3.11
4	2	3	1	2	7	24471	45.75	23.82	11.81	7.05	5.04	3.62	3.03
4	2	3	1	3	7	24455	45.47	23.70	11.77	7.01	5.04	3.62	2.95
5	1	1	3	1	3	7000	6.50	3.10	1.90	1.40			
5	1	1	3	2	3	6860	6.60	3.10	1.90	1.40			
5	1	1	3	3	3	6910	6.60	3.10	1.90	1.40			
5	1	1	11	1	1	1090	1.00	.50	.40	.30			
5	1	1	11	2	1	1110	1.00	.50	.40	.30			
5	1	1	11	3	1	1120	.90	.50	.30	.30			
5	1	1	12	1	2	5280	5.20	3.00	2.00	1.60			
5	1	1	12	2	2	5280	5.40	3.00	2.00	1.60			
5	1	1	12	3	2	5300	5.40	3.10	2.00	1.60			
5	1	2	2	1	2	5240	5.50	3.10	2.10	1.60			
5	1	2	2	2	2	5320	5.40	3.00	2.10	1.50			
5	1	2	2	3	2	5230	5.50	3.10	2.10	1.60			
5	1	2	7	1	1	1160	1.00	.50	.30	.20			
5	1	2	7	2	1	1060	1.00	.40	.30	.20			
5	1	2	7	3	1	1130	1.00	.50	.30	.20			
5	1	2	15	1	3	6980	7.90	4.30	2.90	2.20			
5	1	2	15	2	3	7060	7.90	4.30	2.90	2.20			
5	1	2	15	3	3	7020	7.90	4.30	2.90	2.30			

5	1	3	8	1	3	6990	8.20	4.50	3.00	2.30	
5	1	3	8	2	3	7000	8.20	4.60	3.10	2.40	
5	1	3	8	3	3	6950	8.20	4.60	3.10	2.40	
6	1	1	5	1	5	14529	11.55	9.09	3.74	2.27	1.53
6	1	1	5	2	5	14722	11.65	9.24	3.77	2.23	1.54
6	1	1	5	3	5	14816	11.76	9.35	3.80	2.30	1.54
6	1	1	13	1	2	5081	3.27	2.72	1.21	.74	.51
6	1	1	13	2	2	4968	3.20	2.67	1.19	.72	.48
6	1	1	13	3	2	5143	3.31	2.76	1.23	.75	.51
6	1	1	14	1	1	985	.46	.36	.20	.10	.07
6	1	1	14	2	1	1002	.47	.38	.20	.10	.07
6	1	1	14	3	1	1061	.50	.40	.21	.11	.07
6	1	1	18	1	4	10035	7.30	6.09	2.59	1.53	1.06
6	1	1	18	2	4	10211	7.40	6.21	2.61	1.54	1.06
6	1	1	18	3	4	10070	7.32	6.14	2.58	1.52	1.05
6	1	1	19	1	3	6989	4.72	3.99	1.70	1.01	.69
6	1	1	19	2	3	7025	4.75	4.01	1.71	1.01	.70
6	1	1	19	3	3	7102	4.83	4.10	1.74	1.04	.71
6	1	2	1	1	4	10065	7.22	6.11	2.58	1.51	1.03
6	1	2	1	2	4	10128	7.32	6.19	2.60	1.53	1.04
6	1	2	1	3	4	10163	7.34	6.22	2.61	1.53	1.04
6	1	2	3	1	1	1031	.47	.38	.19	.10	.06
6	1	2	3	2	1	1018	.46	.38	.19	.10	.06
6	1	2	3	3	1	1105	.51	.41	.21	.10	.07
6	1	2	8	1	2	5081	3.26	2.74	1.21	.74	.50
6	1	2	8	2	2	5094	3.25	2.75	1.21	.73	.49
6	1	2	8	3	2	5032	3.23	2.74	1.20	.73	.50
6	1	2	10	1	5	14814	11.88	9.73	4.01	2.34	1.58
6	1	2	10	2	5	15189	12.30	10.17	4.14	2.40	1.63
6	1	2	10	3	5	15309	12.46	10.30	4.18	2.43	1.64
6	1	2	19	1	3	7077	4.94	4.17	1.77	1.07	.72
6	1	2	19	2	3	7042	4.87	4.11	1.73	1.05	.71
6	1	2	19	3	3	7072	4.90	4.15	1.75	1.05	.71
6	1	3	1	1	3	6970	4.88	4.10	1.75	1.04	.72
6	1	3	1	2	3	7203	5.04	4.23	1.80	1.07	.73
6	1	3	1	3	3	7000	4.91	4.12	1.76	1.04	.70
6	1	3	4	1	1	990	.48	.39	.19	.09	.07
6	1	3	4	2	1	1078	.55	.46	.22	.12	.07
6	1	3	4	3	1	1066	.53	.44	.21	.11	.06
7	1	1	4	1	4	11123	17.80	10.50	5.70	3.40	2.40 1.90
7	1	1	4	2	4	11123	17.00	10.10	5.40	3.30	2.30 1.80
7	1	1	4	3	4	11123	16.70	10.00	5.40	3.30	2.30 1.80
7	1	1	8	1	5	14213	24.90	14.60	8.00	4.40	3.20 6.50
7	1	1	8	2	5	14213	22.80	13.40	7.40	4.30	3.10 2.70
7	1	1	8	3	5	14213	22.30	13.20	7.30	4.20	3.00 2.60
7	1	2	12	1	5	14007	27.00	16.40	8.70	4.80	3.20 2.80
7	1	2	12	2	5	14007	24.00	14.30	7.70	4.40	3.10 2.50
7	1	2	12	3	5	14007	23.30	13.90	7.60	4.40	3.10 2.40
7	1	2	16	1	4	9475	19.00	11.10	5.70	3.30	2.30 1.80
7	1	2	16	2	4	9475	16.90	9.90	5.20	3.10	2.20 1.70
7	1	2	16	3	4	9475	16.50	9.60	5.10	3.00	2.20 1.70
7	1	3	6	1	4	9887	20.00	11.70	5.90	3.30	2.30 1.80
7	1	3	6	2	4	9887	17.20	9.90	5.10	3.00	2.20 1.70
7	1	3	6	3	4	9887	16.60	9.60	5.00	3.00	2.20 1.70

7	2	1	4	1	6	19156	40.80	20.80	9.90	5.60	3.80	3.00
7	2	1	4	2	6	19156	36.80	19.10	9.20	5.30	3.70	2.80
7	2	1	4	3	6	19156	36.10	19.00	9.20	5.30	3.70	2.80
7	2	2	4	1	6	18744	40.00	21.10	10.20	5.70	3.80	3.00
7	2	2	4	2	6	18744	35.80	19.30	9.40	5.40	3.80	2.90
7	2	2	4	3	6	18744	35.40	19.10	9.40	5.40	3.80	2.90
7	2	3	4	1	6	18744	41.80	21.70	10.50	5.70	3.80	3.00
7	2	3	4	2	6	18744	36.10	19.30	9.50	5.40	3.70	2.90
7	2	3	4	3	6	18744	35.10	19.00	9.40	5.40	3.70	2.90

SITE 5

1	1	1	11	1	3	7154	6.29	4.44	3.54	2.32	1.65	.82	.43
1	1	1	11	2	3	7276	5.98	4.13	3.14	2.12	1.45	.82	.55
1	1	1	11	3	3	7254	5.90	4.13	3.14	2.12	1.33	.74	.43
1	1	1	13	1	5	13653	11.60	8.42	6.49	4.44	3.07	1.53	1.06
1	1	1	13	2	5	13858	11.20	8.22	6.29	4.33	3.07	1.45	.86
1	1	1	13	3	5	13901	11.10	8.22	6.29	4.33	3.07	1.53	.86
1	1	1	14	1	2	5136	4.37	2.95	2.20	1.53	.94	.62	.35
1	1	1	14	2	2	5216	4.37	2.95	2.08	1.49	1.06	.55	.35
1	1	1	14	3	2	5219	4.37	2.95	2.08	1.45	1.14	.55	.23
1	1	1	17	1	4	10101	9.33	6.37	4.88	3.14	2.16	.94	.62
1	1	1	17	2	4	10190	9.01	6.29	4.68	3.03	2.16	.98	.74
1	1	1	17	3	4	10207	8.89	6.18	4.76	3.14	2.12	1.06	.62
1	1	2	3	1	4	10066	9.13	6.37	4.88	3.22	2.16	1.14	.55
1	1	2	3	2	4	10184	8.89	6.18	4.88	3.22	2.04	1.06	.62
1	1	2	3	3	4	10190	8.81	6.18	4.68	3.14	2.16	1.06	.62
1	1	2	5	1	5	13671	13.10	9.40	7.28	4.84	3.38	1.53	.86
1	1	2	5	2	5	13946	12.40	8.74	6.61	4.44	3.07	1.53	.94
1	1	2	5	3	5	13942	12.20	8.74	6.61	4.52	3.07	1.45	.86
1	1	2	17	1	3	7075	6.49	4.52	3.38	2.08	1.33	.62	.62
1	1	2	17	2	3	7207	6.49	4.33	3.34	2.12	1.41	.74	.43
1	1	2	17	3	3	7212	6.29	4.13	3.14	1.92	1.33	.74	.43
1	1	2	18	1	2	5142	4.56	3.07	2.20	1.45	.94	.55	.43
1	1	2	18	2	2	5231	4.48	2.95	2.20	1.45	.94	.55	.35
1	1	2	18	3	2	5225	4.56	3.07	2.28	1.45	.94	.55	.35
1	1	3	6	1	4	10054	10.00	6.57	4.88	3.14	2.16	1.06	.62
1	1	3	6	2	4	10213	9.60	6.49	4.68	3.14	2.16	1.06	.62
1	1	3	6	3	4	10243	9.60	6.49	4.76	3.22	2.16	1.06	.55
1	1	3	10	1	3	7069	6.81	4.48	3.42	2.12	1.45	.62	.43
1	1	3	10	2	3	7207	6.61	4.33	3.30	2.12	1.33	.74	.62
1	1	3	10	3	3	7205	6.61	4.33	3.34	2.12	1.45	.74	.43
1	1	3	16	1	2	5136	4.68	3.14	2.36	1.53	1.10	.62	.43
1	1	3	16	2	2	5246	4.68	3.07	2.36	1.53	.94	.55	.35
1	1	3	16	3	2	5240	4.68	3.14	2.36	1.33	1.06	.59	.43
1	1	3	19	1	5	13659	12.00	8.62	6.49	4.44	3.07	1.45	.86
1	1	3	19	2	5	13935	11.80	8.42	6.41	4.44	3.07	1.53	.90
1	1	3	19	3	5	13984	11.70	8.34	6.41	4.33	2.95	1.45	.86
2	1	1	4	1	4	10080	7.87	4.61	2.17	1.02	.59	.43	.35
2	1	1	4	2	4	10050	7.60	4.41	2.01	.98	.55	.43	.31
2	1	1	4	3	4	9940	7.52	4.33	1.97	.94	.55	.43	.31
2	1	1	5	1	5	15200	12.48	7.36	3.35	1.61	.91	.63	.51
2	1	1	5	2	5	14840	12.01	7.09	3.23	1.57	.91	.63	.51
2	1	1	5	3	5	14770	11.89	7.05	3.19	1.57	.87	.63	.51

2	1	2	2	1	4	10050	6.93	4.45	2.17	1.06	.59	.43	.31
2	1	2	2	2	4	10010	6.46	4.21	2.01	.98	.55	.39	.31
2	1	2	2	3	4	9940	6.69	4.17	1.97	.94	.55	.39	.31
2	1	2	9	1	5	15660	11.42	6.97	3.35	1.65	.91	.67	.47
2	1	2	9	2	5	15270	10.94	6.73	3.19	1.57	.91	.63	.51
2	1	2	9	3	5	15050	10.94	6.69	3.15	1.57	.87	.63	.47
2	1	3	2	1	4	10120	6.85	4.41	2.20	1.02	.59	.39	.31
2	1	3	2	2	4	10120	6.26	4.09	2.05	.98	.55	.43	.31
2	1	3	2	3	4	9870	5.91	4.02	1.97	.98	.55	.39	.31
2	1	3	5	1	5	15200	11.97	7.05	3.39	1.65	.91	.59	.51
2	1	3	5	2	5	15090	11.06	6.77	3.19	1.57	.87	.63	.51
2	1	3	5	3	5	14730	10.91	6.65	3.15	1.57	.87	.59	.47
2	2	1	1	1	7	26140	17.28	11.38	5.75	2.87	1.61	1.14	.87
2	2	1	1	2	7	26500	17.28	11.46	5.83	2.91	1.65	1.14	.87
2	2	1	1	3	7	26210	17.24	11.42	5.79	2.91	1.65	1.14	.87
2	2	1	2	1	9	49770	36.18	23.90	12.36	6.34	3.50	2.28	1.85
2	2	1	2	2	9	50060	35.28	23.27	12.24	6.34	3.58	2.36	1.89
2	2	1	2	3	9	50060	34.80	23.11	12.24	6.38	3.58	2.36	1.85
2	2	2	1	1	7	26100	18.03	11.65	5.98	2.99	1.61	1.10	.83
2	2	2	1	2	7	26070	17.24	11.50	5.91	2.99	1.69	1.10	.87
2	2	2	1	3	7	26170	17.05	11.42	5.91	2.99	1.69	1.14	.87
2	2	2	2	1	9	49950	35.04	23.39	12.36	6.50	3.58	2.32	1.85
2	2	2	2	2	9	50090	34.65	22.83	12.24	6.50	3.58	2.36	1.85
2	2	2	2	3	9	50060	34.29	22.76	12.24	6.50	3.62	2.36	1.89
2	2	3	1	1	7	26140	18.03	11.81	5.94	2.95	1.61	1.10	.87
2	2	3	1	2	7	26170	17.52	11.57	5.91	2.91	1.65	1.14	.87
2	2	3	1	3	7	26070	17.36	11.54	5.91	2.91	1.65	1.10	.87
2	2	3	2	1	9	49950	35.51	23.39	12.28	6.34	3.50	2.36	1.89
2	2	3	2	2	9	50060	34.96	22.95	12.09	6.34	3.54	2.36	1.93
2	2	3	2	3	9	50060	34.76	22.83	12.09	6.30	3.54	2.40	1.89
3	1	1	18	1	1	1000	.36	.24	.14	.07	.06		
3	1	1	18	2	1	1000	.36	.24	.14	.07	.06		
3	1	1	18	3	1	1000	.36	.24	.14	.07	.06		
3	1	2	16	1	1	1000	.36	.25	.14	.07	.06		
3	1	2	16	2	1	1000	.36	.24	.14	.07	.06		
3	1	2	16	3	1	1000	.36	.24	.14	.07	.07		
3	1	3	8	1	1	1000	.37	.25	.14	.07	.06		
3	1	3	8	2	1	1000	.37	.24	.14	.07	.06		
3	1	3	8	3	1	1000	.37	.25	.14	.07	.06		
4	1	1	6	1	4	10042	8.54	4.33	1.93	.87	.55	.39	.51
4	1	1	6	2	4	10011	8.31	4.21	1.89	.87	.55	.39	.43
4	1	1	6	3	4	9979	8.19	4.25	1.93	.91	.59	.47	.51
4	1	1	9	1	5	14857	13.94	7.24	3.23	1.50	.94	.63	.75
4	1	1	9	2	5	14889	13.27	6.85	3.11	1.50	.94	.67	.71
4	1	1	9	3	5	14841	13.03	6.69	3.03	1.42	.87	.63	.67
4	1	2	7	1	4	10042	8.31	4.29	1.93	.87	.55	.35	.35
4	1	2	7	2	4	9931	8.15	4.29	1.93	.91	.59	.43	.39
4	1	2	7	3	4	9931	8.11	4.25	1.97	.91	.59	.43	.39
4	1	2	10	1	5	14921	11.46	6.50	2.99	1.42	.87	.59	.55
4	1	2	10	2	5	14921	11.22	6.34	2.99	1.42	.87	.59	.51
4	1	2	10	3	5	14905	11.14	6.34	2.99	1.38	.87	.59	.55
4	1	3	15	1	4	9963	8.03	4.41	2.05	.94	.67	.47	.51
4	1	3	15	2	4	9915	7.72	4.25	1.97	.94	.63	.47	.51
4	1	3	15	3	4	9931	7.68	4.21	1.97	.94	.63	.43	.43

4	1	3	17	1	5	14905	11.61	6.54	3.03	1.42	.79	.59	.59
4	1	3	17	2	5	14937	11.26	6.30	2.99	1.42	.83	.59	.55
4	1	3	17	3	5	14905	11.18	6.22	2.99	1.46	.79	.63	.59
4	2	1	3	1	7	24630	20.75	11.34	5.43	2.52	1.54	1.02	1.10
4	2	1	3	2	7	24788	20.20	10.94	5.24	2.44	1.50	.98	.98
4	2	1	3	3	7	24804	20.08	10.94	5.24	2.52	1.54	1.02	.98
4	2	2	3	1	7	24709	20.63	11.42	5.47	2.68	1.54	.98	1.06
4	2	2	3	2	7	24852	20.08	10.98	5.31	2.60	1.54	1.02	1.02
4	2	2	3	3	7	24820	19.92	10.87	5.28	2.52	1.54	.98	1.02
4	2	3	4	1	7	24788	19.53	11.02	5.43	2.64	1.54	1.06	1.06
4	2	3	4	2	7	24995	19.21	10.91	5.39	2.60	1.54	1.06	1.02
4	2	3	4	3	7	24963	19.06	10.75	5.31	2.52	1.50	1.02	.94
5	1	1	2	1	2	5060	2.40	.80	.40	.20			
5	1	1	2	2	2	5090	2.40	.80	.40	.20			
5	1	1	2	3	2	5090	2.30	.70	.40	.20			
5	1	1	7	1	1	1030	.50	.20	.10	.10			
5	1	1	7	2	1	1010	.40	.20	.10	.00			
5	1	1	7	3	1	1050	.40	.20	.10	.10			
5	1	1	15	1	3	6960	3.50	1.30	.60	.40			
5	1	1	15	2	3	6900	3.50	1.20	.60	.30			
5	1	1	15	3	3	7040	3.40	.00	.60	.30			
5	1	2	8	1	3	6930	3.40	1.20	.60	.40			
5	1	2	8	2	3	7010	3.30	1.20	.60	.40			
5	1	2	8	3	3	7050	3.30	1.20	.60	.40			
5	1	2	12	1	1	1090	.50	.10	.10	.00			
5	1	2	12	2	1	1090	.50	.10	.10	.00			
5	1	2	12	3	1	1110	.50	.10	.10	.00			
5	1	2	13	1	2	4840	2.10	.70	.40	.20			
5	1	2	13	2	2	4900	2.20	.80	.40	.20			
5	1	2	13	3	2	4960	2.20	.80	.40	.20			
5	1	3	4	1	1	1000	.50	.20	.10	.00			
5	1	3	4	2	1	1030	.40	.20	.10	.10			
5	1	3	4	3	1	1020	.50	.10	.10	.10			
5	1	3	7	1	2	5090	2.30	.80	.40	.30			
5	1	3	7	2	2	5090	2.30	.90	.40	.30			
5	1	3	7	3	2	5050	2.30	.90	.40	.30			
5	1	3	9	1	3	6870	3.40	1.20	.60	.30			
5	1	3	9	2	3	6860	3.40	1.20	.60	.30			
5	1	3	9	3	3	6930	3.40	1.20	.00	.40			
6	1	1	1	1	4	10202	4.18	3.38	1.26	.74	.55		
6	1	1	1	2	4	10177	4.17	3.38	1.26	.74	.55		
6	1	1	1	3	4	10170	4.16	3.36	1.25	.73	.55		
6	1	1	3	1	1	1176	.30	.18	.14	.09	.09		
6	1	1	3	2	1	1081	.28	.17	.13	.08	.08		
6	1	1	3	3	1	1129	.28	.18	.13	.08	.09		
6	1	1	8	1	2	5168	1.84	1.44	.62	.36	.29		
6	1	1	8	2	2	5020	1.78	1.40	.59	.35	.29		
6	1	1	8	3	2	5099	1.78	1.40	.60	.36	.29		
6	1	1	10	1	5	14401	6.17	4.96	1.81	1.07	.76		
6	1	1	10	2	5	14257	6.12	4.97	1.80	1.06	.75		
6	1	1	10	3	5	14296	6.11	4.97	1.79	1.05	.75		
6	1	1	19	1	3	6744	2.49	1.95	.79	.49	.38		
6	1	1	19	2	3	7412	2.71	2.14	.87	.52	.40		
6	1	1	19	3	3	7117	2.60	2.05	.82	.51	.40		

6	1	2	1	1	3	6907	2.49	1.98	.82	.49	.38
6	1	2	1	2	3	7059	2.54	2.04	.83	.49	.39
6	1	2	1	3	3	7273	2.61	2.09	.85	.51	.39
6	1	2	4	1	1	1159	.29	.20	.14	.08	.09
6	1	2	4	2	1	1131	.27	.18	.13	.08	.08
6	1	2	4	3	1	1169	.29	.19	.14	.09	.09
6	1	2	11	1	5	14664	6.43	4.96	1.84	1.07	.78
6	1	2	11	2	5	14732	6.46	5.02	1.85	1.08	.78
6	1	2	11	3	5	14383	6.31	4.91	1.81	1.05	.76
6	1	2	15	1	2	4887	1.73	1.27	.56	.35	.28
6	1	2	15	2	2	4932	1.74	1.29	.57	.35	.28
6	1	2	15	3	2	5015	1.75	1.30	.56	.34	.28
6	1	2	19	1	4	9914	4.07	3.09	1.23	.73	.55
6	1	2	19	2	4	10008	4.08	3.11	1.23	.73	.54
6	1	2	19	3	4	10060	4.08	3.11	1.22	.73	.55
6	1	3	1	1	2	4881	1.73	1.33	.57	.34	.28
6	1	3	1	2	2	5010	1.78	1.36	.58	.35	.29
6	1	3	1	3	2	5095	1.79	1.38	.59	.36	.29
6	1	3	3	1	1	1223	.31	.21	.15	.09	.09
6	1	3	3	2	1	1154	.28	.20	.14	.09	.09
6	1	3	3	3	1	1103	.26	.18	.13	.08	.08
6	1	3	11	1	3	7086	2.68	2.07	.82	.50	.39
6	1	3	11	2	3	7027	2.65	2.04	.81	.50	.39
6	1	3	11	3	3	7103	2.67	2.07	.82	.49	.39
6	1	3	12	1	5	14854	6.51	5.33	1.92	1.11	.80
6	1	3	12	2	5	14762	6.50	5.32	1.92	1.11	.79
6	1	3	12	3	5	14412	6.34	5.20	1.88	1.09	.78
6	1	3	14	1	4	10067	4.16	3.30	1.26	.74	.55
6	1	3	14	2	4	10075	4.16	3.30	1.25	.74	.55
6	1	3	14	3	4	10120	4.16	3.30	1.25	.74	.55
7	1	1	12	1	5	14728	13.10	6.90	3.30	1.50	.80
7	1	1	12	2	5	14728	12.20	6.50	3.00	1.40	.80
7	1	1	12	3	5	14728	11.90	6.40	3.00	1.30	.80
7	1	1	16	1	4	10093	8.40	4.40	2.00	1.00	.60
7	1	1	16	2	4	10093	8.00	4.10	1.70	.90	.50
7	1	1	16	3	4	10093	7.80	4.10	1.70	.80	.50
7	1	2	6	1	4	10299	8.00	4.40	2.10	1.00	.60
7	1	2	6	2	4	10299	7.60	4.10	1.80	.90	.60
7	1	2	6	3	4	10299	7.40	4.10	1.80	.90	.60
7	1	2	14	1	5	14831	12.10	6.50	3.20	1.50	.80
7	1	2	14	2	5	14831	11.50	6.20	2.90	1.30	.80
7	1	2	14	3	5	14831	11.20	6.10	2.90	1.30	.80
7	1	3	13	1	5	14419	12.70	7.00	3.50	1.60	.90
7	1	3	13	2	5	14419	11.70	6.30	3.10	1.40	.80
7	1	3	13	3	5	14419	11.40	6.10	3.00	1.40	.80
7	1	3	18	1	4	9784	7.60	4.10	2.00	1.00	.60
7	1	3	18	2	4	9784	7.20	3.90	1.80	.90	.60
7	1	3	18	3	4	9784	7.10	3.90	1.70	.90	.50
7	2	1	4	1	6	19774	17.20	9.20	4.40	2.00	1.10
7	2	1	4	2	6	19774	15.90	8.60	4.10	1.80	.80
7	2	1	4	3	6	19774	15.50	8.40	4.00	1.90	.80
7	2	2	4	1	6	19671	15.70	8.90	4.30	2.00	.90
7	2	2	4	2	6	19671	14.60	8.30	4.10	1.90	.80
7	2	2	4	3	6	19671	14.40	8.20	4.10	1.90	.80

7	2	3	3	1	6	19774	16.70	9.00	4.30	2.00	1.10	.90
7	2	3	3	2	6	19774	15.40	8.40	4.00	1.90	1.10	.80
7	2	3	3	3	6	19774	15.20	8.30	4.00	1.80	1.10	.80

SITE 6

1	1	1	3	1	4	10136	10.30	5.19	3.89	3.54	3.07	2.55	2.08
1	1	1	3	2	4	10237	9.72	5.00	3.89	3.38	3.07	2.44	2.16
1	1	1	3	3	4	10231	9.40	5.00	3.89	3.42	3.07	2.44	2.08
1	1	1	5	1	5	13852	13.30	7.00	5.35	4.72	4.33	3.46	2.79
1	1	1	5	2	5	14059	12.30	6.85	5.27	4.72	4.29	3.58	2.79
1	1	1	5	3	5	14131	12.10	6.85	5.35	4.72	4.21	3.66	2.79
1	1	1	17	1	3	7085	7.99	3.66	2.48	2.32	2.04	1.77	1.37
1	1	1	17	2	3	7215	7.40	3.66	2.67	2.32	2.16	1.81	1.45
1	1	1	17	3	3	7183	7.20	3.66	2.75	2.32	2.16	1.85	1.45
1	1	1	18	1	2	5139	5.39	2.55	1.88	1.65	1.65	1.14	1.06
1	1	1	18	2	2	5213	5.27	2.75	1.88	1.85	1.65	1.25	1.06
1	1	1	18	3	2	5210	5.35	2.75	2.00	1.65	1.45	1.25	1.06
1	1	2	6	1	4	10128	10.20	5.19	3.89	3.42	3.07	2.55	1.96
1	1	2	6	2	4	10243	9.72	5.00	3.89	3.34	3.14	2.55	1.96
1	1	2	6	3	4	10213	9.52	5.11	3.89	3.34	3.07	2.67	2.08
1	1	2	10	1	3	7067	7.51	3.85	2.67	2.44	2.16	1.77	1.37
1	1	2	10	2	3	7213	7.08	3.74	2.67	2.40	2.24	1.85	1.57
1	1	2	10	3	3	7201	7.00	3.74	2.75	2.44	2.16	1.77	1.45
1	1	2	16	1	2	5148	5.90	2.95	2.00	1.65	1.53	1.33	1.14
1	1	2	16	2	2	5228	5.59	2.75	1.88	1.85	1.65	1.41	1.14
1	1	2	16	3	2	5228	5.47	2.87	1.88	1.73	1.53	1.33	1.14
1	1	2	19	1	5	13822	12.20	6.73	5.15	4.60	4.29	3.58	2.87
1	1	2	19	2	5	14076	11.60	6.77	5.35	4.72	4.37	3.46	2.79
1	1	2	19	3	5	14108	11.50	6.77	5.27	4.64	4.37	3.58	2.79
1	1	3	6	1	2	5107	5.59	2.75	1.81	1.65	1.53	1.33	1.06
1	1	3	6	2	2	5222	5.19	2.55	1.88	1.73	1.53	1.33	1.06
1	1	3	6	3	2	5228	5.19	2.75	2.00	1.65	1.53	1.33	1.06
1	1	3	7	1	5	13899	12.30	7.00	5.15	4.64	4.29	3.58	2.87
1	1	3	7	2	5	14055	11.80	6.96	5.27	4.72	4.37	3.58	2.79
1	1	3	7	3	5	14171	11.70	7.16	5.43	4.72	4.48	3.66	2.99
1	1	3	11	1	4	10125	9.84	5.11	3.81	3.42	3.14	2.55	2.16
1	1	3	11	2	4	10249	9.37	5.11	3.89	3.50	3.14	2.67	2.08
1	1	3	11	3	4	10249	9.33	5.11	4.01	3.34	3.07	2.55	2.08
1	1	3	13	1	3	7053	7.20	3.74	2.67	2.32	2.24	1.85	1.45
1	1	3	13	2	3	7183	7.00	3.74	2.75	2.44	2.16	1.85	1.45
1	1	3	13	3	3	7156	6.88	3.74	2.75	2.24	2.16	1.96	1.41
2	1	1	2	1	4	9760	5.28	3.58	2.87	2.32	1.85	1.54	1.14
2	1	1	2	2	4	9800	4.88	3.54	2.83	2.32	1.89	1.54	1.22
2	1	1	2	3	4	9690	4.84	3.58	2.83	2.28	1.85	1.54	1.14
2	1	1	9	1	5	14910	7.05	5.51	4.49	3.66	2.91	2.36	1.85
2	1	1	9	2	5	14910	6.89	5.51	4.49	3.66	2.95	2.36	1.89
2	1	1	9	3	5	14550	6.77	5.47	4.49	3.62	2.91	2.32	1.85
2	1	2	2	1	4	9800	5.16	3.66	2.95	2.36	1.89	1.54	1.22
2	1	2	2	2	4	9800	5.00	3.66	2.91	2.36	1.89	1.54	1.22
2	1	2	2	3	4	9800	4.76	3.62	2.91	2.32	1.89	1.54	1.22
2	1	2	5	1	5	14870	8.46	5.87	4.65	3.78	2.99	2.40	1.89
2	1	2	5	2	5	14660	8.31	5.79	4.61	3.74	2.99	2.40	1.89
2	1	2	5	3	5	14700	8.35	5.79	4.57	3.74	2.99	2.40	1.93

2	1	3	3	1	4	9730	5.08	3.58	2.87	2.36	1.89	1.50	1.22
2	1	3	3	2	4	9580	4.96	3.58	2.87	2.36	1.89	1.54	1.22
2	1	3	3	3	4	9550	4.92	3.58	2.91	2.36	1.89	1.54	1.22
2	1	3	10	1	5	14840	8.39	5.98	4.76	3.90	3.07	2.44	1.93
2	1	3	10	2	5	14620	7.99	5.91	4.69	3.82	3.03	2.44	1.93
2	1	3	10	3	5	14620	7.87	5.87	4.69	3.82	3.03	2.44	1.93
2	2	1	1	1	7	26640	14.21	10.24	7.91	6.42	5.16	4.13	3.31
2	2	1	1	2	7	26710	14.25	10.20	7.91	6.50	5.24	4.17	3.35
2	2	1	1	3	7	26820	14.29	10.16	7.91	6.50	5.20	4.21	3.35
2	2	1	2	1	9	49590	27.87	19.21	15.31	12.52	10.16	8.23	6.57
2	2	1	2	2	9	50420	27.44	19.21	15.35	12.56	10.16	8.27	6.61
2	2	1	2	3	9	50200	27.48	19.17	15.31	12.56	10.16	8.27	6.61
2	2	2	1	1	7	26030	13.54	9.84	7.80	6.42	5.16	4.17	3.31
2	2	2	1	2	7	26750	13.70	9.84	7.87	6.42	5.24	4.21	3.35
2	2	2	1	3	7	26710	13.82	9.80	7.83	6.46	5.20	4.17	3.35
2	2	2	2	1	9	49840	26.38	18.66	15.08	12.36	10.08	8.23	6.54
2	2	2	2	2	9	50420	25.83	18.62	15.08	12.36	10.08	8.15	6.54
2	2	2	2	3	9	50090	26.02	18.70	15.12	12.40	10.08	8.23	6.57
2	2	3	3	1	7	26280	14.29	9.92	7.87	6.50	5.24	4.21	3.35
2	2	3	3	2	7	26850	14.57	9.96	7.95	6.54	5.28	4.25	3.39
2	2	3	3	3	7	26960	14.61	9.92	7.91	6.50	5.28	4.25	3.35
2	2	3	4	1	9	49990	27.72	19.02	15.28	12.56	10.24	8.31	6.61
2	2	3	4	2	9	50380	27.48	19.02	15.31	12.60	10.20	8.27	6.61
2	2	3	4	3	9	50240	27.60	19.06	15.31	12.60	10.24	8.27	6.65
3	1	1	16	1	1	1000	.31	.27	.24	.18	.16		
3	1	1	16	2	1	1000	.31	.27	.24	.18	.16		
3	1	1	16	3	1	1000	.31	.27	.24	.18	.15		
3	1	2	8	1	1	1000	.32	.28	.25	.19	.16		
3	1	2	8	2	1	1000	.32	.27	.25	.19	.16		
3	1	2	8	3	1	1000	.32	.27	.25	.19	.16		
3	1	3	16	1	1	1000	.32	.28	.25	.19	.16		
3	1	3	16	2	1	1000	.32	.27	.25	.19	.16		
3	1	3	16	3	1	1000	.31	.27	.24	.18	.16		
4	1	1	7	1	4	10011	8.11	3.54	2.87	2.36	1.93	1.54	1.30
4	1	1	7	2	4	9915	7.87	3.46	2.83	2.28	1.89	1.46	1.22
4	1	1	7	3	4	9931	7.83	3.50	2.87	2.32	1.93	1.54	1.26
4	1	1	10	1	5	14905	11.30	5.20	4.37	3.50	2.87	2.24	1.89
4	1	1	10	2	5	14937	11.14	5.28	4.37	3.54	2.87	2.28	1.89
4	1	1	10	3	5	14873	11.06	5.28	4.41	3.54	2.91	2.28	1.93
4	1	2	15	1	4	9884	8.39	3.54	2.95	2.36	1.97	1.57	1.26
4	1	2	15	2	4	9915	8.19	3.58	2.95	2.40	1.97	1.57	1.30
4	1	2	15	3	4	9852	7.99	3.50	2.87	2.32	1.89	1.50	1.22
4	1	2	17	1	5	14921	11.81	5.24	4.41	3.46	2.87	2.24	1.97
4	1	2	17	2	5	14841	11.42	5.24	4.37	3.50	2.87	2.24	1.89
4	1	2	17	3	5	14841	11.30	5.24	4.41	3.50	2.87	2.24	1.93
4	1	3	12	1	4	9884	7.95	3.58	2.91	2.36	1.97	1.54	1.34
4	1	3	12	2	4	9868	7.76	3.58	2.91	2.36	1.97	1.50	1.30
4	1	3	12	3	4	9772	7.72	3.58	2.91	2.40	1.97	1.54	1.30
4	1	3	15	1	5	14762	12.20	5.35	4.41	3.54	2.91	2.28	1.89
4	1	3	15	2	5	14762	11.69	5.39	4.41	3.54	2.91	2.32	1.89
4	1	3	15	3	5	14682	11.46	5.39	4.41	3.54	2.91	2.32	1.89
4	2	1	3	1	7	24709	18.94	8.74	7.40	5.87	4.96	3.70	3.35
4	2	1	3	2	7	25059	18.43	8.82	7.36	5.83	4.88	3.66	3.23
4	2	1	3	3	7	25043	18.23	8.82	7.32	5.83	4.84	3.70	3.15

4	2	2	3	1	7	24868	18.43	8.62	7.32	5.79	4.80	3.74	3.35
4	2	2	3	2	7	25027	17.91	8.74	7.32	5.87	4.84	3.78	3.31
4	2	2	3	3	7	25059	17.72	8.74	7.32	5.87	4.84	3.78	3.23
4	2	3	2	1	7	24852	17.60	8.66	7.24	5.83	4.84	3.74	3.46
4	2	3	2	2	7	25011	17.40	8.74	7.32	5.87	4.88	3.78	3.39
4	2	3	2	3	7	24963	17.32	8.74	7.28	5.83	4.84	3.78	3.27
5	1	1	8	1	3	6900	3.90	2.40	1.90	1.60			
5	1	1	8	2	3	6960	4.00	2.40	1.90	1.60			
5	1	1	8	3	3	6930	3.90	2.40	1.90	1.60			
5	1	1	12	1	1	1080	.50	.30	.30	.20			
5	1	1	12	2	1	1080	.60	.30	.30	.20			
5	1	1	12	3	1	1120	.50	.30	.20	.20			
5	1	1	13	1	2	5120	2.70	1.70	1.40	1.10			
5	1	1	13	2	2	5070	2.70	1.70	1.30	1.10			
5	1	1	13	3	2	5070	2.70	1.70	1.30	1.10			
5	1	2	4	1	1	1030	.50	.30	.30	.20			
5	1	2	4	2	1	1040	.50	.30	.30	.20			
5	1	2	4	3	1	1030	.50	.30	.30	.20			
5	1	2	7	1	2	4940	2.80	1.60	1.30	1.10			
5	1	2	7	2	2	4920	2.80	1.60	1.30	1.10			
5	1	2	7	3	2	4950	2.80	1.60	1.30	1.10			
5	1	2	9	1	3	6990	4.00	2.50	2.00	1.60			
5	1	2	9	2	3	6980	4.10	2.50	2.00	1.70			
5	1	2	9	3	3	7070	4.10	2.50	2.00	1.70			
5	1	3	1	1	1	1140	.60	.30	.30	.20			
5	1	3	1	2	1	1040	.60	.30	.30	.20			
5	1	3	1	3	1	1070	.60	.30	.30	.20			
5	1	3	14	1	3	6950	4.20	2.50	2.00	1.70			
5	1	3	14	2	3	6890	4.10	2.50	2.00	1.70			
5	1	3	14	3	3	6860	4.10	2.50	2.00	1.70			
5	1	3	17	1	2	5050	2.90	1.70	1.40	1.10			
5	1	3	17	2	2	4990	2.90	1.70	1.40	1.20			
5	1	3	17	3	2	5060	2.90	1.70	1.40	1.20			
6	1	1	1	1	3	7253	3.23	2.69	1.84	1.46	1.21		
6	1	1	1	2	3	7170	3.21	2.68	1.81	1.44	1.20		
6	1	1	1	3	3	7111	3.18	2.67	1.81	1.44	1.19		
6	1	1	4	1	1	1132	.36	.28	.25	.18	.17		
6	1	1	4	2	1	1110	.35	.27	.24	.18	.17		
6	1	1	4	3	1	1108	.35	.27	.25	.18	.17		
6	1	1	11	1	5	14672	7.09	5.70	3.94	3.17	2.60		
6	1	1	11	2	5	16192	7.98	6.46	4.44	3.58	2.94		
6	1	1	11	3	5	16013	7.93	6.44	4.42	3.56	2.93		
6	1	1	15	1	2	4710	2.04	1.62	1.19	.95	.80		
6	1	1	15	2	2	4968	2.14	1.70	1.25	.99	.83		
6	1	1	15	3	2	5098	2.19	1.74	1.27	1.01	.85		
6	1	1	19	1	4	9968	4.80	3.89	2.66	2.12	1.75		
6	1	1	19	2	4	10292	4.98	4.05	2.76	2.20	1.81		
6	1	1	19	3	4	10265	4.98	4.04	2.75	2.19	1.80		
6	1	2	1	1	2	4986	2.25	1.81	1.32	1.05	.87		
6	1	2	1	2	2	5063	2.28	1.83	1.33	1.05	.88		
6	1	2	1	3	2	5074	2.29	1.84	1.34	1.06	.89		
6	1	2	3	1	1	1104	.36	.26	.25	.18	.17		
6	1	2	3	2	1	1129	.36	.25	.25	.19	.18		
6	1	2	3	3	1	1115	.36	.26	.25	.19	.17		

6	1	2	11	1	3	6876	3.06	2.48	1.75	1.39	1.16
6	1	2	11	2	3	7092	3.15	2.55	1.80	1.43	1.19
6	1	2	11	3	3	7123	3.18	2.58	1.82	1.45	1.20
6	1	2	12	1	5	14916	7.22	5.78	4.08	3.26	2.70
6	1	2	12	2	5	14743	7.17	5.75	4.06	3.24	2.68
6	1	2	12	3	5	14528	7.10	5.68	4.01	3.20	2.65
6	1	2	14	1	4	10489	5.01	4.07	2.83	2.25	1.86
6	1	2	14	2	4	10140	4.88	3.97	2.75	2.17	1.80
6	1	2	14	3	4	10236	4.93	4.01	2.77	2.20	1.82
6	1	3	4	1	2	5317	2.37	1.97	1.39	1.10	.92
6	1	3	4	2	2	4844	2.10	1.74	1.22	.97	.82
6	1	3	4	3	2	4916	2.12	1.75	1.23	.98	.82
6	1	3	5	1	4	10112	4.77	3.82	2.70	2.14	1.76
6	1	3	5	2	4	10063	4.74	3.80	2.67	2.13	1.75
6	1	3	5	3	4	10000	4.72	3.79	2.66	2.11	1.74
6	1	3	9	1	3	6978	3.24	2.65	1.85	1.46	1.21
6	1	3	9	2	3	7109	3.31	2.71	1.89	1.49	1.24
6	1	3	9	3	3	7021	3.25	2.66	1.85	1.46	1.21
6	1	3	18	1	1	1112	.35	.26	.25	.19	.17
6	1	3	18	2	1	1111	.36	.27	.25	.19	.17
6	1	3	18	3	1	1148	.38	.28	.26	.19	.18
6	1	3	19	1	5	14559	7.31	6.05	4.67	3.24	2.64
6	1	3	19	2	5	14674	7.43	6.16	4.13	3.28	2.68
6	1	3	19	3	5	14703	7.47	6.19	4.14	3.30	2.70
7	1	1	6	1	4	10299	8.90	3.50	2.70	2.30	1.90 1.70
7	1	1	6	2	4	10299	8.10	3.50	2.60	2.20	1.90 1.60
7	1	1	6	3	4	10299	7.80	3.40	2.60	2.20	1.90 1.60
7	1	1	14	1	5	14831	11.60	5.00	4.30	3.50	2.80 2.40
7	1	1	14	2	5	14831	10.70	5.00	4.10	3.40	2.80 2.30
7	1	1	14	3	5	14831	10.40	5.00	4.10	3.40	2.80 2.30
7	1	2	13	1	5	14831	13.10	5.20	4.30	3.60	2.80 2.40
7	1	2	13	2	5	14831	11.70	5.20	4.20	3.50	2.80 2.40
7	1	2	13	3	5	14831	11.30	5.10	4.20	3.50	2.80 2.40
7	1	2	18	1	4	10093	9.00	3.60	2.80	2.40	1.90 1.70
7	1	2	18	2	4	10093	8.30	3.60	2.70	2.30	1.90 1.60
7	1	2	18	3	4	10093	8.10	3.50	2.70	2.30	1.90 1.60
7	1	3	2	1	4	10093	8.00	3.50	2.70	2.30	1.80 1.60
7	1	3	2	2	4	10093	7.40	3.50	2.70	2.20	1.90 1.60
7	1	3	2	3	4	10093	7.30	3.50	2.60	2.30	1.90 1.60
7	1	3	8	1	5	14831	12.50	5.20	4.30	3.50	2.80 2.60
7	1	3	8	2	5	14831	11.50	5.10	4.20	3.50	2.80 2.40
7	1	3	8	3	5	14831	11.20	5.10	4.20	3.50	2.80 2.40
7	2	1	4	1	6	19877	15.70	7.00	5.70	4.70	3.70 3.10
7	2	1	4	2	6	19877	14.50	6.90	5.60	4.60	3.70 3.10
7	2	1	4	3	6	19377	14.10	6.90	5.60	4.60	3.70 3.10
7	2	2	4	1	6	19774	15.20	6.90	5.70	4.70	3.80 3.10
7	2	2	4	2	6	19774	14.40	6.90	5.60	4.60	3.80 3.10
7	2	2	4	3	6	19774	14.10	6.90	5.60	4.60	3.70 3.10
7	2	3	1	1	6	19774	15.00	6.90	5.60	4.70	3.70 3.10
7	2	3	1	2	6	19774	14.00	6.80	5.50	4.60	3.70 3.00
7	2	3	1	3	6	19774	13.90	6.70	5.50	4.60	3.70 3.00

SITE 7

1	1	1	6	1	4	10060	7.51	6.96	6.73	6.14	5.66	4.56	3.38
1	1	1	6	2	4	10196	7.59	7.04	6.81	6.02	5.78	4.56	3.30
1	1	1	6	3	4	10184	7.59	7.04	6.69	6.14	5.78	4.68	3.38
1	1	1	10	1	3	7097	5.27	4.92	4.68	4.25	3.85	3.11	2.16
1	1	1	10	2	3	7189	5.39	5.00	4.68	4.33	3.97	2.95	2.16
1	1	1	10	3	3	7179	5.39	5.00	4.68	4.33	3.85	3.07	2.12
1	1	1	16	1	2	5116	3.66	3.54	3.34	3.14	3.03	2.44	1.57
1	1	1	16	2	2	5202	3.85	3.70	3.54	3.22	2.95	2.24	1.57
1	1	1	16	3	2	5187	3.93	3.66	3.46	3.22	2.95	2.36	1.65
1	1	1	19	1	5	13881	10.10	9.60	9.17	8.54	7.79	6.18	4.56
1	1	1	19	2	5	14177	10.10	9.68	9.37	8.66	7.91	6.29	4.68
1	1	1	19	3	5	14189	10.20	9.60	9.37	8.66	7.99	6.18	4.68
1	1	2	6	1	2	5095	3.77	3.66	3.42	3.14	2.75	2.24	1.65
1	1	2	6	2	2	5178	3.77	3.66	3.42	3.03	2.87	2.44	1.61
1	1	2	6	3	2	5181	3.85	3.66	3.42	3.14	2.87	2.36	1.49
1	1	2	7	1	5	13956	9.92	9.40	9.09	8.42	7.79	5.98	4.44
1	1	2	7	2	5	14181	10.00	9.60	9.29	8.54	7.91	6.10	4.52
1	1	2	7	3	5	14269	10.10	9.68	9.37	8.66	7.91	6.18	4.52
1	1	2	11	1	4	10045	7.63	7.04	6.69	6.25	5.78	4.56	3.22
1	1	2	11	2	4	10231	7.87	7.24	6.81	6.14	5.66	4.48	3.38
1	1	2	11	3	4	10202	7.79	7.24	6.69	6.25	5.78	4.56	3.38
1	1	2	13	1	3	7067	5.27	5.00	4.76	4.33	4.05	3.14	2.16
1	1	2	13	2	3	7156	5.39	5.00	4.88	4.44	4.05	3.14	2.28
1	1	2	13	3	3	7161	5.47	5.11	4.76	4.44	4.05	3.26	2.28
1	1	3	4	1	2	5101	3.77	3.58	3.54	3.14	2.87	2.24	1.65
1	1	3	4	2	2	5187	3.97	3.74	3.54	3.22	2.95	2.24	1.65
1	1	3	4	3	2	5210	3.85	3.66	3.54	3.22	2.87	2.36	1.57
1	1	3	8	1	4	10072	7.44	7.04	6.81	6.18	5.66	4.56	3.22
1	1	3	8	2	4	10273	7.71	7.16	6.81	6.29	5.90	4.88	3.46
1	1	3	8	3	4	10249	7.51	7.16	6.81	6.33	5.78	4.68	3.46
1	1	3	9	1	5	14163	10.20	9.68	9.48	8.74	7.99	6.37	4.76
1	1	3	9	2	5	14309	10.20	9.88	9.56	8.85	8.11	6.49	4.76
1	1	3	9	3	5	14322	10.30	9.88	9.48	8.74	8.11	6.49	4.88
1	1	3	14	1	3	7020	5.39	4.92	4.56	4.13	3.85	3.07	2.24
1	1	3	14	2	3	7148	5.47	5.00	4.68	4.40	3.97	3.38	2.32
1	1	3	14	3	3	7161	5.39	5.00	4.76	4.40	3.97	3.14	2.32
2	1	1	2	1	4	10410	7.44	7.28	6.26	5.00	3.74	2.48	1.42
2	1	1	2	2	4	10510	7.32	7.20	6.14	4.92	3.62	2.44	1.38
2	1	1	2	3	4	10510	7.44	7.17	6.10	4.92	3.58	2.44	1.34
2	1	1	5	1	5	15880	10.91	10.47	8.86	7.09	5.31	3.58	2.09
2	1	1	5	2	5	15090	10.91	10.43	8.78	7.05	5.24	3.50	2.01
2	1	1	5	3	5	14800	10.98	10.39	8.74	6.97	5.16	3.50	1.93
2	1	2	3	1	4	10550	7.36	7.01	6.06	4.65	3.39	2.20	1.06
2	1	2	3	2	4	10760	7.40	6.89	6.30	4.57	3.27	2.20	1.06
2	1	2	3	3	4	10760	7.64	6.89	5.87	4.61	3.27	2.17	1.06
2	1	2	10	1	5	15660	10.87	10.35	8.94	7.05	5.28	3.50	1.89
2	1	2	10	2	5	14870	10.91	10.35	8.90	7.01	5.20	3.46	1.85
2	1	2	10	3	5	14700	10.87	10.28	8.82	6.97	5.16	3.43	1.85
2	1	3	7	1	4	10570	7.09	6.97	5.94	4.69	3.39	2.28	1.22
2	1	3	7	2	4	10600	7.24	6.89	5.87	4.65	3.39	2.24	1.22
2	1	3	7	3	4	10760	7.24	6.93	5.83	4.65	3.35	2.24	1.22
2	1	3	13	1	5	15080	10.79	10.16	8.82	6.85	5.08	3.39	1.73

2	1	3	13	2	5	14590	10.87	10.16	8.78	6.81	5.04	3.31	1.73
2	1	3	13	3	5	14560	10.83	10.16	8.70	6.81	5.08	3.27	1.73
2	2	1	1	1	7	23530	12.20	10.91	9.13	7.13	5.24	3.54	2.05
2	2	1	1	2	7	24640	11.73	10.87	9.06	7.05	5.20	3.58	2.05
2	2	1	1	3	7	23710	11.73	10.75	8.98	6.97	5.12	3.50	2.01
2	2	1	2	1	9	50130	28.86	26.89	22.48	17.44	12.72	8.70	5.20
2	2	1	2	2	9	50170	28.86	26.65	22.20	17.24	12.56	8.58	5.08
2	2	1	2	3	9	50090	28.74	26.77	22.20	17.24	12.56	8.58	5.12
2	2	2	1	1	7	23920	12.44	11.34	9.41	7.24	5.31	3.58	1.93
2	2	2	1	2	7	24100	12.60	11.30	9.37	7.24	5.28	3.58	1.93
2	2	2	1	3	7	24390	12.56	11.30	9.92	7.24	5.31	3.58	1.93
2	2	2	2	1	9	50770	29.45	26.97	22.17	17.20	12.56	8.50	5.16
2	2	2	2	2	9	50420	30.24	26.93	22.09	17.40	12.56	8.54	5.28
2	2	2	2	3	9	50130	29.88	26.93	22.05	17.32	12.48	8.46	5.08
2	2	3	2	1	9	50740	30.59	26.46	22.48	17.44	12.60	8.43	4.96
2	2	3	2	2	9	50630	30.51	27.17	22.48	17.40	12.64	8.43	5.00
2	2	3	2	3	9	50630	30.83	27.20	22.56	17.40	12.60	8.39	4.88
2	2	3	4	1	7	23560	12.72	11.61	9.65	7.52	5.51	3.70	2.05
2	2	3	4	2	7	24170	12.95	11.65	9.69	7.56	5.55	3.78	2.09
2	2	3	4	3	7	23420	12.91	11.65	9.65	7.52	5.47	3.70	2.05
3	1	1	8	1	1	1000	.70	.66	.56	.42	.30		
3	1	1	8	2	1	1000	.70	.66	.55	.42	.30		
3	1	1	8	3	1	1000	.70	.66	.55	.42	.30		
3	1	2	16	1	1	1000	.69	.65	.54	.41	.30		
3	1	2	16	2	1	1000	.69	.65	.54	.41	.30		
3	1	2	16	3	1	1000	.69	.65	.54	.40	.30		
3	1	3	12	1	1	1000	.69	.65	.54	.40	.29		
3	1	3	12	2	1	1000	.69	.65	.54	.40	.29		
3	1	3	12	3	1	1000	.68	.65	.54	.40	.28		
4	1	1	15	1	4	9836	6.85	6.26	5.35	4.13	3.07	1.97	1.06
4	1	1	15	2	4	9899	6.85	6.26	5.35	4.13	3.11	1.97	1.10
4	1	1	15	3	4	9820	6.77	6.14	5.28	4.06	3.03	1.89	1.06
4	1	1	17	1	5	14889	10.12	9.37	7.95	6.26	4.57	2.95	1.65
4	1	1	17	2	5	14825	10.08	9.29	7.87	6.18	4.53	2.95	1.57
4	1	1	17	3	5	14778	10.16	9.29	7.91	6.22	4.61	2.99	1.65
4	1	2	12	1	5	14889	10.31	9.53	8.11	6.34	4.69	3.07	1.69
4	1	2	12	2	5	14921	10.24	9.45	8.07	6.30	4.65	3.03	1.69
4	1	2	12	3	5	14794	10.28	9.45	8.03	6.34	4.69	3.07	1.69
4	1	2	15	1	4	10122	6.65	6.34	5.43	4.25	3.23	2.17	1.22
4	1	2	15	2	4	10074	6.61	6.30	5.35	4.21	3.23	2.13	1.22
4	1	2	15	3	4	9931	6.57	6.18	5.28	4.13	3.15	2.09	1.14
4	1	3	3	1	4	10011	6.85	6.38	5.47	4.29	3.19	2.09	1.18
4	1	3	3	2	4	10027	6.85	6.34	5.39	4.25	3.19	2.09	1.18
4	1	3	3	3	4	10058	6.73	6.30	5.35	4.21	3.15	2.01	1.10
4	1	3	19	1	5	14635	10.04	9.25	7.83	6.14	4.53	2.87	1.61
4	1	3	19	2	5	14651	10.00	9.21	7.80	6.06	4.49	2.83	1.54
4	1	3	19	3	5	14555	10.00	9.21	7.80	6.06	4.53	2.83	1.57
4	2	1	3	1	7	25297	12.80	11.73	9.76	7.52	5.43	3.43	2.09
4	2	1	3	2	7	25360	12.83	11.73	9.72	7.44	5.43	3.39	2.09
4	2	1	3	3	7	25360	12.83	11.69	9.69	7.40	5.39	3.39	2.09
4	2	2	3	1	7	25329	13.11	11.97	10.00	7.72	5.63	3.66	2.20
4	2	2	3	2	7	25345	13.27	12.01	9.88	7.56	5.51	3.58	2.17
4	2	2	3	3	7	25297	13.46	12.01	9.92	7.56	5.55	3.58	2.24
4	2	3	3	1	7	25281	13.39	12.05	10.12	7.87	5.75	3.78	2.32

4	2	3	3	2	7	25408	13.27	12.09	10.00	7.72	5.63	3.66	2.20
4	2	3	3	3	7	25313	13.35	12.05	10.00	7.72	5.67	3.66	2.32
5	1	1	4	1	1	1060	.80	.50	.40	.20			
5	1	1	4	2	1	1020	.70	.50	.30	.20			
5	1	1	4	3	1	1020	.70	.50	.30	.20			
5	1	1	7	1	2	4920	3.80	2.60	1.90	1.40			
5	1	1	7	2	2	4850	3.80	2.50	1.90	1.40			
5	1	1	7	3	2	4920	3.80	2.60	1.90	1.30			
5	1	1	9	1	3	7020	5.50	4.10	3.20	2.30			
5	1	1	9	2	3	7000	5.50	4.10	3.20	2.30			
5	1	1	9	3	3	7040	5.50	4.10	3.20	2.30			
5	1	2	1	1	1	960	.70	.50	.30	.20			
5	1	2	1	2	1	1010	.70	.50	.30	.20			
5	1	2	1	3	1	1000	.60	.40	.30	.20			
5	1	2	14	1	3	7090	5.20	3.70	2.70	2.00			
5	1	2	14	2	3	7040	5.20	3.70	2.70	2.00			
5	1	2	14	3	3	7020	5.20	3.60	2.70	2.00			
5	1	2	17	1	2	5280	3.90	2.70	2.00	1.40			
5	1	2	17	2	2	5210	3.80	2.60	2.00	1.40			
5	1	2	17	3	2	5090	3.80	2.70	2.00	1.40			
5	1	3	11	1	3	7040	6.00	3.60	2.70	2.00			
5	1	3	11	2	3	6990	6.20	3.70	2.70	2.00			
5	1	3	11	3	3	6930	6.10	3.70	2.70	2.00			
5	1	3	16	1	1	1110	.70	.50	.30	.20			
5	1	3	16	2	1	1060	.60	.40	.30	.20			
5	1	3	16	3	1	1020	.60	.50	.30	.20			
5	1	3	17	1	2	4930	3.20	2.50	1.80	1.30			
5	1	3	17	2	2	4890	3.20	2.50	1.80	1.40			
5	1	3	17	3	2	4960	3.30	2.50	1.80	1.30			
6	1	1	1	1	2	5223	3.20	2.78	2.07	1.51	1.07		
6	1	1	1	2	2	5459	3.36	2.93	2.17	1.58	1.13		
6	1	1	1	3	2	5309	3.26	2.83	2.10	1.15	1.09		
6	1	1	3	1	1	1003	.57	.43	.32	.25	.18		
6	1	1	3	2	1	868	.49	.36	.31	.20	.15		
6	1	1	3	3	1	1058	.61	.46	.37	.25	.19		
6	1	1	11	1	3	7642	4.89	4.06	2.85	1.97	1.34		
6	1	1	11	2	3	7953	5.09	4.22	2.96	2.04	1.40		
6	1	1	11	3	3	7130	4.50	3.76	2.63	1.82	1.24		
6	1	1	12	1	5	14564	9.83	8.10	5.72	4.00	2.75		
6	1	1	12	2	5	16435	11.13	9.34	6.60	4.65	3.20		
6	1	1	12	3	5	16543	11.22	9.44	6.69	4.72	3.24		
6	1	1	14	1	4	10022	7.03	5.45	3.96	2.84	2.03		
6	1	1	14	2	4	10074	7.00	5.43	3.96	2.84	2.02		
6	1	1	14	3	4	10175	7.04	5.48	3.97	2.85	2.03		
6	1	2	4	1	2	5134	3.20	2.61	1.92	1.35	.94		
6	1	2	4	2	2	5104	3.18	2.60	1.92	1.35	.93		
6	1	2	4	3	2	5094	3.16	2.59	1.90	1.34	.93		
6	1	2	5	1	4	10139	6.42	5.27	3.84	2.70	1.90		
6	1	2	5	2	4	10158	6.40	5.26	3.83	2.70	1.89		
6	1	2	5	3	4	9671	6.14	5.06	3.70	2.61	1.83		
6	1	2	9	1	3	7079	4.54	3.84	2.72	1.89	1.28		
6	1	2	9	2	3	6898	4.43	3.74	2.64	1.84	1.25		
6	1	2	9	3	3	6833	4.35	3.67	2.60	1.81	1.23		
6	1	2	18	1	1	1075	.46	.33	.31	.21	.16		

6	1	2	18	2	1	1106	.48	.34	.32	.22	.17
6	1	2	18	3	1	1072	.45	.32	.30	.20	.16
6	1	2	19	1	5	14603	9.36	7.88	5.77	4.21	3.01
6	1	2	19	2	5	14751	9.42	8.02	5.85	4.28	3.06
6	1	2	19	3	5	14592	9.30	7.96	5.78	4.23	3.01
6	1	3	2	1	4	10267	7.26	5.61	4.10	2.93	2.07
6	1	3	2	2	4	10067	7.02	5.46	3.98	2.85	2.00
6	1	3	2	3	4	10374	7.24	5.62	4.10	2.93	2.07
6	1	3	5	1	5	14268	9.82	8.05	5.81	4.16	2.93
6	1	3	5	2	5	14088	9.68	8.00	5.75	4.12	2.91
6	1	3	5	3	5	14149	9.68	7.99	5.75	4.12	2.91
6	1	3	6	1	1	924	.49	.35	.32	.21	.16
6	1	3	6	2	1	1648	1.03	.79	.63	.43	.32
6	1	3	6	3	1	999	.52	.36	.34	.23	.17
6	1	3	10	1	3	7830	5.23	4.19	3.06	2.17	1.52
6	1	3	10	2	3	7003	4.68	3.74	2.73	1.94	1.35
6	1	3	10	3	3	6476	4.30	3.44	2.50	1.77	1.23
6	1	3	15	1	2	5372	3.53	2.78	2.00	1.42	.99
6	1	3	15	2	2	5493	3.65	2.86	2.07	1.48	1.02
6	1	3	15	3	2	5558	3.72	2.89	2.10	1.48	1.02
7	1	1	13	1	5	14625	10.30	9.20	8.20	6.30	4.60 3.60
7	1	1	13	2	5	14625	10.00	9.10	7.90	6.00	4.40 3.20
7	1	1	13	3	5	14625	10.00	9.00	7.80	5.90	4.40 3.10
7	1	1	18	1	4	10093	7.60	6.70	5.90	4.60	3.40 2.50
7	1	1	18	2	4	10093	7.40	6.60	5.70	4.40	3.20 2.30
7	1	1	18	3	4	10093	7.40	6.50	5.60	4.30	3.10 2.20
7	1	2	2	1	4	10711	7.40	6.70	5.90	4.60	3.30 2.60
7	1	2	2	2	4	10711	7.20	6.70	5.60	4.40	3.20 2.30
7	1	2	2	3	4	10711	7.10	6.60	5.50	4.30	3.10 2.30
7	1	2	8	1	5	15552	11.10	9.80	8.70	6.70	4.80 3.50
7	1	2	8	2	5	15552	11.00	9.70	8.50	6.50	4.80 3.40
7	1	2	8	3	5	15552	10.90	9.70	8.40	6.50	4.80 3.30
7	1	3	1	1	4	9887	7.40	6.80	5.90	4.60	3.30 2.50
7	1	3	1	2	4	9887	7.20	6.50	5.60	4.30	3.20 2.30
7	1	3	1	3	4	9884	7.20	6.50	5.60	4.30	3.20 2.30
7	1	3	18	1	5	15449	10.80	9.60	8.50	6.50	4.90 3.50
7	1	3	18	2	5	15449	10.70	9.60	8.30	6.50	4.80 3.50
7	1	3	18	3	5	15449	10.60	9.50	8.30	6.40	4.80 3.50
7	2	1	4	1	6	20186	9.80	8.70	7.40	5.70	4.00 3.00
7	2	1	4	2	6	20186	9.60	8.50	7.20	5.50	3.90 2.80
7	2	1	4	3	6	20186	9.50	8.50	7.10	5.40	3.90 2.80
7	2	2	4	1	6	19568	10.10	8.90	7.60	5.70	4.00 3.00
7	2	2	4	2	6	19568	9.80	8.70	7.30	5.60	3.90 2.80
7	2	2	4	3	6	19568	9.80	8.80	7.20	5.50	3.90 2.80
7	2	3	1	1	6	20083	10.00	8.80	7.50	5.60	4.00 3.00
7	2	3	1	2	6	20083	9.80	8.60	7.20	5.50	3.90 2.80
7	2	3	1	3	6	20083	9.80	8.60	7.20	5.40	3.90 2.80

SITE 8

1	1	1	6	1	2	5131	3.38	2.48	2.00	1.65	1.33	.82	.62
1	1	1	6	2	2	5213	3.38	2.36	2.00	1.73	1.45	.94	.55
1	1	1	6	3	2	5234	3.38	2.36	2.08	1.73	1.25	.94	.62
1	1	1	7	1	5	13862	8.70	6.85	6.02	4.96	3.85	2.55	1.65

1	1	1	7	2	5	14116	8.70	6.69	5.94	4.96	3.97	2.67	1.65
1	1	1	7	3	5	14124	8.70	6.77	6.02	4.96	3.97	2.75	1.65
1	1	1	11	1	4	10059	7.08	5.19	4.40	3.42	2.67	1.96	1.14
1	1	1	11	2	4	10257	7.00	5.11	4.44	3.34	2.67	1.96	1.14
1	1	1	11	3	4	10249	7.00	5.19	4.40	3.42	2.87	2.04	1.25
1	1	1	13	1	3	7075	4.88	3.50	2.87	2.44	1.96	1.53	.94
1	1	1	13	2	3	7154	5.00	3.54	3.07	2.44	1.85	1.45	.94
1	1	1	13	3	3	7165	4.88	3.66	2.95	2.32	1.96	1.53	.94
1	1	2	4	1	2	5110	3.74	2.75	2.28	1.73	1.45	.98	.74
1	1	2	4	2	2	5207	3.58	2.67	2.28	1.73	1.33	1.06	.86
1	1	2	4	3	2	5207	3.66	2.67	2.28	1.65	1.45	.98	.74
1	1	2	8	1	4	10083	7.16	5.51	4.68	3.62	2.87	2.04	1.37
1	1	2	8	2	4	10220	7.00	5.51	4.56	3.62	2.87	2.04	1.37
1	1	2	8	3	4	10231	6.88	5.31	4.56	3.54	2.87	2.04	1.25
1	1	2	9	1	5	13945	9.33	7.40	6.41	5.03	4.05	2.75	1.85
1	1	2	9	2	5	14159	9.48	7.55	6.41	5.15	4.05	2.87	1.85
1	1	2	9	3	5	14175	9.40	7.44	6.41	5.15	4.29	2.87	1.85
1	1	2	14	1	3	7055	5.07	3.70	3.14	2.44	1.96	1.45	.86
1	1	2	14	2	3	7173	5.07	3.74	3.14	2.44	1.96	1.45	.86
1	1	2	14	3	3	7154	5.07	3.74	3.07	2.44	1.96	1.33	.86
1	1	3	7	1	4	10031	7.51	5.47	4.48	3.62	2.95	2.16	1.37
1	1	3	7	2	4	10196	7.28	5.59	4.68	3.62	2.95	1.96	1.37
1	1	3	7	3	4	10237	7.36	5.59	4.56	3.62	2.95	2.16	1.14
1	1	3	8	1	3	7067	5.19	3.93	3.22	2.44	1.96	1.25	.94
1	1	3	8	2	3	7150	4.92	3.77	3.22	2.55	1.96	1.45	.94
1	1	3	8	3	3	7143	5.07	3.85	3.14	2.44	1.96	1.53	.86
1	1	3	14	1	5	13897	9.72	7.40	6.41	5.03	3.97	2.59	1.77
1	1	3	14	2	5	14169	9.72	7.44	6.41	4.96	3.97	2.75	1.65
1	1	3	14	3	5	14214	9.68	7.36	6.29	5.03	3.97	2.59	1.77
1	1	3	15	1	2	5071	3.66	2.67	2.28	1.65	1.29	.94	.62
1	1	3	15	2	2	5157	3.58	2.67	2.36	1.73	1.33	1.06	.59
1	1	3	15	3	2	5039	3.46	2.67	2.36	1.73	1.45	1.06	.55
2	1	1	3	1	4	9260	4.25	3.98	2.83	1.93	1.22	.83	.55
2	1	1	3	2	4	9300	4.21	3.90	2.83	1.89	1.22	.83	.55
2	1	1	3	3	4	9370	4.09	3.98	2.80	1.89	1.22	.83	.55
2	1	1	10	1	5	13840	7.76	6.77	4.49	3.07	2.01	1.42	.91
2	1	1	10	2	5	13520	7.64	6.69	4.41	3.07	2.01	1.38	.91
2	1	1	10	3	5	13520	7.52	6.69	4.41	3.07	1.97	1.42	.91
2	1	2	7	1	4	9510	4.96	4.25	2.76	1.93	1.14	.83	.47
2	1	2	7	2	4	9620	4.76	4.21	2.72	1.89	1.22	.83	.59
2	1	2	7	3	4	9620	4.69	4.17	2.72	1.85	1.22	.87	.59
2	1	2	13	1	5	13840	7.83	6.50	4.17	2.87	1.85	1.30	.83
2	1	2	13	2	5	13520	7.52	6.50	4.21	2.91	1.85	1.34	.83
2	1	2	13	3	5	13480	7.40	6.46	4.21	2.87	1.89	1.34	.83
2	1	3	5	1	5	13550	7.56	6.65	4.25	2.87	1.81	1.22	.83
2	1	3	5	2	5	13370	7.44	6.54	4.21	2.87	1.85	1.30	.83
2	1	3	5	3	5	13410	7.40	6.50	4.21	2.87	1.85	1.34	.83
2	1	3	6	1	4	9330	4.61	4.09	2.60	1.81	1.14	.79	.55
2	1	3	6	2	4	9330	4.57	4.06	2.60	1.81	1.14	.79	.51
2	1	3	6	3	4	9300	4.61	4.06	2.60	1.81	1.14	.79	.55
2	2	1	1	1	7	24810	12.28	10.39	7.52	5.39	3.54	2.40	1.69
2	2	1	1	2	7	24640	12.09	10.43	7.52	5.39	3.58	2.48	1.73
2	2	1	1	3	7	24640	12.20	10.47	7.52	5.39	3.54	2.56	1.73
2	2	1	2	1	9	50020	30.63	25.20	18.35	13.31	8.70	6.22	4.21

2	2	1	2	2	9	49920	30.98	25.20	18.31	13.35	8.86	6.18	4.17
2	2	1	2	3	9	49950	30.94	25.20	18.35	13.43	8.86	6.30	4.29
2	2	2	1	1	7	24350	11.54	10.20	7.13	4.92	3.27	2.36	1.57
2	2	2	1	2	7	24100	11.30	10.16	7.13	4.88	3.23	2.36	1.57
2	2	2	1	3	7	23960	11.65	10.16	7.13	4.92	3.23	2.32	1.57
2	2	2	2	1	9	49840	28.27	23.94	17.36	12.09	7.95	5.75	3.90
2	2	2	2	2	9	49990	28.46	23.82	17.32	12.09	7.99	5.75	3.86
2	2	2	2	3	9	49770	28.66	23.66	17.28	12.09	7.99	5.75	3.86
2	2	3	3	1	7	24240	12.44	10.55	7.24	5.12	3.19	2.24	1.54
2	2	3	3	2	7	23890	12.17	10.59	7.17	5.00	3.31	2.40	1.57
2	2	3	3	3	7	23780	12.13	10.63	7.20	5.04	3.31	2.44	1.61
2	2	3	4	1	9	49630	29.65	24.65	17.68	12.48	8.27	5.91	3.98
2	2	3	4	2	9	49840	29.61	24.49	17.64	12.44	8.27	5.91	4.02
2	2	3	4	3	9	49840	29.96	24.41	17.64	12.44	8.27	5.91	3.98
3	1	1	16	1	1	1000	.35	.31	.23	.14	.10		
3	1	1	16	2	1	1000	.35	.31	.23	.14	.10		
3	1	1	16	3	1	1000	.35	.31	.23	.14	.10		
3	1	2	12	1	1	1000	.35	.33	.24	.15	.10		
3	1	2	12	2	1	1000	.35	.33	.24	.15	.10		
3	1	2	12	3	1	1000	.35	.32	.24	.15	.10		
3	1	3	18	1	1	1000	.33	.31	.23	.14	.10		
3	1	3	18	2	1	1000	.33	.31	.23	.14	.10		
3	1	3	18	3	1	1000	.33	.31	.22	.14	.10		
4	1	1	12	1	4	10170	5.75	4.25	2.80	1.97	1.30	.91	.67
4	1	1	12	2	4	10106	5.75	4.21	2.80	1.93	1.30	.91	.67
4	1	1	12	3	4	10058	5.59	4.09	2.72	1.89	1.22	.83	.59
4	1	1	15	1	5	15000	8.70	6.42	4.49	3.07	2.01	1.38	.98
4	1	1	15	2	5	14968	8.62	6.30	4.45	2.99	2.01	1.34	.98
4	1	1	15	3	5	14921	8.54	6.22	4.41	2.95	1.93	1.30	.94
4	1	2	3	1	4	10185	6.85	4.45	2.95	2.05	1.42	.98	.71
4	1	2	3	2	4	10122	6.65	4.37	2.91	2.05	1.38	.98	.71
4	1	2	3	3	4	10106	6.61	4.33	2.91	2.01	1.38	.98	.71
4	1	2	19	1	5	14873	9.33	6.73	4.49	3.07	2.05	1.42	1.02
4	1	2	19	2	5	14714	9.21	6.61	4.33	2.95	1.97	1.34	.94
4	1	2	19	3	5	14746	9.09	6.57	4.29	2.95	1.93	1.30	.91
4	1	3	2	1	4	10090	6.34	4.45	3.07	2.05	1.38	.91	.67
4	1	3	2	2	4	9995	6.22	4.45	3.07	2.09	1.38	.91	.67
4	1	3	2	3	4	10011	6.22	4.45	3.07	2.09	1.42	.94	.67
4	1	3	11	1	5	14809	9.72	6.85	4.53	3.11	2.01	1.34	.98
4	1	3	11	2	5	14825	9.57	6.73	4.45	3.07	1.97	1.34	.94
4	1	3	11	3	5	14730	9.49	6.69	4.45	3.07	1.93	1.30	.94
4	2	1	3	1	7	25281	15.12	10.63	7.56	5.28	3.43	2.40	1.73
4	2	1	3	2	7	25376	15.16	10.59	7.52	5.24	3.46	2.40	1.73
4	2	1	3	3	7	25329	15.04	10.51	7.44	5.16	3.43	2.36	1.69
4	2	2	3	1	7	25202	15.59	10.98	7.72	5.43	3.66	2.56	1.85
4	2	2	3	2	7	25313	15.55	11.02	7.64	5.39	3.66	2.52	1.85
4	2	2	3	3	7	25281	15.51	10.91	7.72	5.39	3.62	2.56	1.93
4	2	3	1	1	7	25281	15.83	10.83	7.52	5.24	3.58	2.52	1.77
4	2	3	1	2	7	25329	15.75	10.79	7.56	5.28	3.62	2.56	1.77
4	2	3	1	3	7	25376	15.67	10.63	7.48	5.20	3.50	2.52	1.77
5	1	1	1	1	1	1020	.40	.20	.20	.10			
5	1	1	1	2	1	950	.50	.30	.20	.10			
5	1	1	1	3	1	1010	.50	.20	.20	.10			
5	1	1	14	1	3	6890	3.30	1.70	1.10	.70			

5	1	1	14	2	3	6940	3.20	1.80	1.10	.70	
5	1	1	14	3	3	7080	3.20	1.80	1.10	.70	
5	1	1	17	1	2	5130	2.30	1.30	.80	.60	
5	1	1	17	2	2	5110	2.30	1.30	.80	.50	
5	1	1	17	3	2	5070	2.30	1.30	.80	.50	
5	1	2	11	1	1	1000	.50	.20	.20	.10	
5	1	2	11	2	1	1080	.40	.20	.20	.10	
5	1	2	11	3	1	1050	.40	.20	.20	.10	
5	1	2	16	1	3	6950	3.20	1.80	1.10	.70	
5	1	2	16	2	3	6960	3.20	1.80	1.20	.70	
5	1	2	16	3	3	6920	3.20	1.70	1.20	.70	
5	1	2	17	1	2	5010	2.10	1.20	.80	.50	
5	1	2	17	2	2	4940	2.20	1.20	.80	.40	
5	1	2	17	3	2	4910	2.20	1.20	.90	.50	
5	1	3	3	1	1	980	.50	.20	.20	.10	
5	1	3	3	2	1	990	.50	.20	.20	.10	
5	1	3	3	3	1	1000	.40	.20	.20	.10	
5	1	3	13	1	2	4880	2.20	1.20	.80	.50	
5	1	3	13	2	2	5070	2.30	1.20	.80	.50	
5	1	3	13	3	2	5020	2.20	1.20	.80	.50	
5	1	3	17	1	3	7040	3.60	2.20	1.50	.90	
5	1	3	17	2	3	7030	3.60	2.10	1.50	.90	
5	1	3	17	3	3	7040	3.60	2.10	1.50	1.00	
6	1	1	4	1	2	5565	1.98	1.69	1.06	.69	.47
6	1	1	4	2	2	5003	1.79	1.53	.97	.63	.42
6	1	1	4	3	2	4128	1.83	1.56	.98	.64	.43
6	1	1	5	1	4	9958	4.10	3.57	2.15	1.40	.95
6	1	1	5	2	4	10152	4.14	3.61	2.19	1.42	.96
6	1	1	5	3	4	10198	4.15	3.63	2.20	1.43	.90
6	1	1	9	1	3	7147	2.84	2.47	1.48	.98	.66
6	1	1	9	2	3	7931	3.16	2.76	1.65	1.08	.71
6	1	1	9	3	3	7005	2.75	2.40	1.43	.94	.63
6	1	1	18	1	1	936	.27	.18	.19	.10	.09
6	1	1	18	2	1	1016	.28	.21	.18	.10	.09
6	1	1	18	3	1	1012	.28	.20	.18	.11	.09
6	1	1	19	1	5	13676	5.75	5.05	2.97	1.87	1.26
6	1	1	19	2	5	16366	7.10	6.26	3.68	2.31	1.57
6	1	1	19	3	5	14362	5.98	5.33	3.14	1.98	1.34
6	1	2	2	1	4	9662	3.82	3.34	2.01	1.27	.83
6	1	2	2	2	4	10971	4.31	3.78	2.29	1.46	.95
6	1	2	2	3	4	10109	3.96	3.49	2.10	1.33	.86
6	1	2	6	1	1	1132	.31	.23	.19	.11	.10
6	1	2	6	2	1	1048	.28	.20	.18	.11	.09
6	1	2	6	3	1	1015	.27	.20	.18	.10	.09
6	1	2	5	1	5	14401	6.26	5.58	3.32	2.13	1.42
6	1	2	5	2	5	14621	6.49	5.82	3.45	2.21	1.47
6	1	2	5	3	5	14447	6.41	5.76	3.40	2.18	1.46
6	1	2	10	1	3	7047	3.02	2.55	1.53	1.02	.69
6	1	2	10	2	3	7145	3.05	2.59	1.56	1.03	.70
6	1	2	10	3	3	7272	3.10	2.64	1.60	1.06	.71
6	1	2	15	1	2	4941	1.97	1.66	1.02	.64	.44
6	1	2	15	2	2	4961	1.96	1.66	1.02	.64	.45
6	1	2	15	3	2	5169	2.02	1.71	1.06	.67	.46
6	1	3	1	1	2	4998	2.04	1.75	1.05	.68	.46

6	1	3	1	2	2	5099	2.07	1.78	1.08	.70	.48	
6	1	3	1	3	2	5146	2.06	1.78	1.07	.70	.47	
6	1	3	4	1	3	7191	2.82	2.47	1.50	.94	.65	
6	1	3	4	2	3	7227	2.81	2.47	1.51	.95	.65	
6	1	3	4	3	3	7299	2.84	2.49	1.52	.96	.65	
6	1	3	9	1	5	14705	6.39	5.66	3.40	2.24	1.44	
6	1	3	9	2	5	14591	6.38	5.68	3.39	2.24	1.43	
6	1	3	9	3	5	14462	6.31	5.63	3.35	2.21	1.12	
6	1	3	10	1	1	1061	.28	.20	.18	.12	.09	
6	1	3	10	2	1	1096	.31	.23	.20	.12	.09	
6	1	3	10	3	1	1143	.32	.24	.20	.13	.10	
6	1	3	19	1	4	10234	4.39	3.81	2.28	1.13	.98	
6	1	3	19	2	4	10018	4.24	3.73	2.23	1.39	.96	
6	1	3	19	3	4	10204	4.28	3.77	2.26	1.42	.97	
7	1	1	2	1	4	10711	6.00	4.40	3.00	2.00	1.20	1.00
7	1	1	2	2	4	10711	6.00	4.40	2.80	2.00	1.30	.90
7	1	1	2	3	4	10711	5.90	4.30	2.80	2.00	1.30	.90
7	1	1	8	1	5	15655	9.80	6.90	4.60	3.10	1.90	1.60
7	1	1	8	2	5	15655	9.50	6.70	4.50	3.00	2.00	1.50
7	1	1	8	3	5	15655	9.40	6.70	4.50	3.00	2.00	1.50
7	1	2	1	1	4	10299	7.00	4.50	2.90	2.00	1.20	1.00
7	1	2	1	2	4	10299	6.80	4.50	2.80	2.00	1.30	.90
7	1	2	1	3	4	10299	6.70	4.50	2.80	1.90	1.20	.90
7	1	2	18	1	5	15552	10.70	7.20	4.70	3.10	2.00	1.60
7	1	2	18	2	5	15552	10.20	7.00	4.60	3.10	2.00	1.50
7	1	2	18	3	5	15552	10.10	6.90	4.60	3.10	2.00	1.50
7	1	3	12	1	5	15449	10.60	7.10	4.70	3.10	2.00	1.50
7	1	3	12	2	5	15449	10.20	7.00	4.60	3.10	2.00	1.50
7	1	3	12	3	5	15449	10.00	6.90	4.60	3.10	2.00	1.50
7	1	3	16	1	4	10299	6.70	4.50	2.90	2.00	1.20	1.00
7	1	3	16	2	4	10299	6.50	4.50	2.80	2.00	1.30	.90
7	1	3	16	3	4	10299	6.40	4.40	2.80	2.00	1.30	.90
7	2	1	4	1	6	19362	11.80	7.90	5.50	3.70	2.40	1.90
7	2	1	4	2	6	19362	11.50	7.80	5.40	3.70	2.40	1.90
7	2	1	4	3	6	19362	11.30	7.80	5.40	3.70	2.40	1.80
7	2	2	4	1	6	19156	11.40	7.90	5.40	3.70	2.30	1.90
7	2	2	4	2	6	19156	11.10	7.70	5.30	3.60	2.40	1.80
7	2	2	4	3	6	19156	10.90	7.70	5.20	3.50	2.30	1.80
7	2	3	2	1	6	19053	12.00	8.00	5.60	4.00	2.60	2.00
7	2	3	2	2	6	19053	11.70	7.90	5.50	3.90	2.60	2.00
7	2	3	2	3	6	19053	11.60	7.90	5.50	3.90	2.60	2.00

SITE 9

1	1	1	4	1	2	5133	11.90	6.02	3.22	1.14	.62	.62	.55
1	1	1	4	2	2	5237	10.90	5.59	3.14	1.22	.62	.62	.55
1	1	1	4	3	2	5228	10.60	5.62	3.07	1.14	.74	.62	.55
1	1	1	8	1	4	10071	21.60	11.00	6.10	2.40	1.25	1.14	1.14
1	1	1	8	2	4	10260	19.50	10.40	5.94	2.40	1.33	1.25	.94
1	1	1	8	3	4	10267	19.20	10.30	5.94	2.48	1.33	1.14	1.06
1	1	1	9	1	5	13970	26.20	13.80	7.83	3.11	1.65	1.65	1.45
1	1	1	9	2	5	14224	24.60	13.50	7.75	3.30	1.65	1.53	1.45
1	1	1	9	3	5	14177	24.20	13.40	7.75	3.30	1.77	1.45	1.37
1	1	1	14	1	3	7024	16.40	8.07	4.44	1.57	.82	.82	.74

1	1	1	14	2	3	7136	14.40	7.44	4.29	1.77	.82	.94	.74
1	1	1	14	3	3	7155	14.00	7.36	4.29	1.73	.82	.74	.86
1	1	2	7	1	4	9989	21.40	11.20	6.10	2.59	1.14	1.06	1.06
1	1	2	7	2	4	10142	19.70	10.90	6.29	2.59	1.33	1.25	1.14
1	1	2	7	3	4	10225	19.40	11.00	6.29	2.63	1.45	1.25	1.06
1	1	2	8	1	3	7098	15.10	8.03	4.40	1.73	.82	.94	.86
1	1	2	8	2	3	7144	14.20	7.75	4.40	1.73	.94	.90	.74
1	1	2	8	3	3	7165	14.10	7.75	4.44	1.73	.94	.94	.74
1	1	2	14	1	5	13716	28.10	15.10	8.22	3.30	1.65	1.41	1.45
1	1	2	14	2	5	14102	25.30	14.30	8.22	3.50	1.85	1.53	1.45
1	1	2	14	3	5	14082	24.90	14.10	8.22	3.50	1.85	1.45	1.57
1	1	2	15	1	2	5101	11.00	5.98	3.22	1.33	.59	.62	.62
1	1	2	15	2	2	5169	10.40	5.70	3.14	1.22	.74	.74	.55
1	1	2	15	3	2	5172	14.10	5.78	3.14	1.33	.78	.62	.55
1	1	3	7	1	5	13663	28.90	14.70	7.63	3.11	1.53	1.33	1.37
1	1	3	7	2	5	14059	25.80	13.90	7.95	3.50	1.85	1.45	1.25
1	1	3	7	3	5	14112	25.10	13.80	8.03	3.58	1.85	1.45	1.45
1	1	3	10	1	3	7064	15.20	7.95	4.40	1.65	.82	.82	.74
1	1	3	10	2	3	7150	14.10	7.63	4.40	1.73	.94	.82	.74
1	1	3	10	3	3	7142	14.00	7.55	4.21	1.85	.94	.82	.74
1	1	3	16	1	4	9960	24.50	12.40	6.81	2.79	1.33	1.06	.94
1	1	3	16	2	4	10145	20.60	11.20	6.41	2.59	1.33	1.14	1.14
1	1	3	16	3	4	10187	20.00	11.00	6.41	2.67	1.33	1.10	1.06
1	1	3	17	1	2	5113	11.20	6.02	3.22	1.22	.62	.70	.55
1	1	3	17	2	2	5169	10.40	5.70	3.14	1.33	.74	.62	.55
1	1	3	17	3	2	5181	10.40	5.78	3.22	1.45	.74	.55	.55
2	1	1	7	1	4	9690	14.84	5.35	1.10	.94	.83	.71	.59
2	1	1	7	2	4	9690	13.74	5.24	1.10	.91	.83	.71	.59
2	1	1	7	3	4	9580	13.50	5.24	1.10	.91	.83	.67	.59
2	1	1	13	1	5	14090	22.32	7.99	1.26	1.22	1.26	1.10	.87
2	1	1	13	2	5	13910	20.20	7.83	1.46	1.30	1.30	1.10	.87
2	1	1	13	3	5	13840	19.76	7.80	1.57	1.34	1.26	1.06	.91
2	1	2	5	1	5	14160	22.76	8.39	1.54	1.38	1.34	1.14	.87
2	1	2	5	2	5	13840	20.31	7.95	1.57	1.42	1.30	1.10	.91
2	1	2	5	3	5	13800	19.80	7.87	1.61	1.38	1.30	1.10	.87
2	1	2	6	1	4	9650	13.98	5.43	1.02	.91	.83	.71	.59
2	1	2	6	2	4	9580	13.54	5.35	1.02	.91	.83	.67	.59
2	1	2	6	3	4	9580	13.35	5.35	1.02	.91	.83	.71	.59
2	1	3	8	1	4	9580	13.98	5.20	.94	.91	.83	.71	.55
2	1	3	8	2	4	9650	13.58	5.16	.98	.91	.83	.71	.55
2	1	3	8	3	4	9550	13.31	5.12	1.02	.91	.83	.71	.55
2	1	3	9	1	5	13800	19.49	7.60	1.46	1.38	1.26	1.10	.83
2	1	3	9	2	5	13690	18.94	7.60	1.54	1.38	1.26	1.10	.83
2	1	3	9	3	5	13620	18.66	7.60	1.57	1.38	1.30	1.10	.83
2	2	1	1	1	7	22420	27.01	12.64	2.80	2.24	2.17	1.85	1.54
2	2	1	1	2	7	23100	26.30	12.24	2.76	2.20	2.13	1.77	1.46
2	2	1	1	3	7	23240	26.06	12.13	2.80	2.24	2.13	1.77	1.46
2	2	1	2	1	9	49060	55.55	24.84	6.10	4.45	4.76	4.13	3.39
2	2	1	2	2	9	49590	53.54	24.29	6.42	4.61	4.80	4.09	3.43
2	2	1	2	3	9	49810	54.49	24.25	6.54	4.69	4.80	4.13	3.39
2	2	2	1	1	7	22740	27.09	12.91	2.76	2.20	2.17	1.81	1.50
2	2	2	1	2	7	22670	26.61	12.60	2.80	2.20	2.17	1.81	1.50
2	2	2	1	3	7	23100	26.69	12.52	2.80	2.20	2.17	1.81	1.50
2	2	2	2	1	9	48880	54.45	25.39	6.38	4.49	4.76	4.13	3.39

2	2	2	2	2	9	49990	53.66	24.76	6.57	4.61	4.76	4.13	3.39
2	2	2	2	3	9	50590	54.17	24.72	6.69	4.72	4.80	4.13	3.39
2	2	3	1	1	9	49340	53.98	26.06	6.89	4.61	4.76	4.13	3.39
2	2	3	1	2	9	49670	52.17	25.55	7.01	4.72	4.80	4.17	3.43
2	2	3	1	3	9	49670	52.95	25.43	7.01	4.76	4.80	4.17	3.43
2	2	3	3	1	7	22960	27.20	13.39	2.99	2.24	2.17	1.81	1.50
2	2	3	3	2	7	23130	26.69	12.95	3.03	2.24	2.17	1.81	1.50
2	2	3	3	3	7	23280	26.54	12.83	3.03	2.20	2.17	1.81	1.50
3	1	1	12	1	1	1000	.53	.25	.15	.10	.09		
3	1	1	12	2	1	1000	.53	.25	.15	.10	.09		
3	1	1	12	3	1	1000	.53	.25	.15	.10	.09		
3	1	2	18	1	1	1000	.50	.24	.14	.10	.09		
3	1	2	18	2	1	1000	.50	.24	.14	.10	.09		
3	1	2	18	3	1	1000	.50	.24	.14	.10	.09		
3	1	3	19	1	1	1000	.55	.26	.15	.10	.10		
3	1	3	19	2	1	1000	.55	.26	.15	.10	.10		
3	1	3	19	3	1	1000	.55	.26	.15	.10	.10		
4	1	1	3	1	4	10058	20.12	5.79	.83	.87	.94	.75	.71
4	1	1	3	2	4	10122	18.74	5.59	.91	.91	.94	.75	.71
4	1	1	3	3	4	10154	18.35	5.59	.98	.98	1.02	.79	.75
4	1	1	19	1	5	14889	26.89	8.15	1.85	1.46	1.42	1.18	.98
4	1	1	19	2	5	14952	25.51	8.19	1.93	1.50	1.46	1.18	1.06
4	1	1	19	3	5	14952	25.04	8.15	1.93	1.57	1.42	1.18	1.02
4	1	2	2	1	4	10090	19.09	5.79	1.02	.98	.98	.79	.75
4	1	2	2	2	4	10042	17.72	5.51	1.06	.98	.98	.79	.75
4	1	2	2	3	4	10138	17.52	5.51	1.14	1.02	1.02	.83	.79
4	1	2	11	1	5	14825	27.40	9.02	1.61	1.38	1.46	1.14	1.06
4	1	2	11	2	5	14905	24.69	8.23	1.69	1.46	1.42	1.14	.98
4	1	2	11	3	5	14841	24.06	7.99	1.69	1.42	1.42	1.14	1.02
4	1	3	1	1	4	10122	19.96	6.22	1.10	.98	.94	.79	.67
4	1	3	1	2	4	10122	18.54	6.02	1.18	.98	.98	.83	.75
4	1	3	1	3	4	10074	17.95	5.83	1.10	.94	.94	.75	.71
4	1	3	18	1	5	14905	26.10	8.86	1.93	1.50	1.50	1.22	1.06
4	1	3	18	2	5	14952	24.25	8.50	1.97	1.46	1.46	1.14	1.06
4	1	3	18	3	5	14937	23.94	8.43	2.01	1.50	1.50	1.18	1.10
4	2	1	3	1	7	24312	38.82	13.11	2.80	2.28	2.32	1.89	1.61
4	2	1	3	2	7	24630	37.68	12.87	3.03	2.32	2.36	1.89	1.73
4	2	1	3	3	7	24645	37.20	12.76	3.03	2.28	2.32	1.85	1.77
4	2	2	3	1	7	24391	40.31	12.72	2.36	2.13	2.44	1.89	1.85
4	2	2	3	2	7	24614	38.74	12.40	2.44	2.13	2.36	1.81	1.77
4	2	2	3	3	7	24630	38.35	12.20	2.48	2.17	2.40	1.85	1.81
4	2	3	2	1	7	24407	41.42	13.19	2.64	2.17	2.40	1.85	1.81
4	2	3	2	2	7	24630	39.49	13.07	2.80	2.24	2.40	1.85	1.91
4	2	3	2	3	7	24645	39.09	12.83	2.80	2.28	2.40	1.85	1.85
5	1	1	11	1	1	980	.60	.20	.20	.10			
5	1	1	11	2	1	960	.60	.10	.10	.10			
5	1	1	11	3	1	1020	.60	.10	.10	.10			
5	1	1	16	1	3	6820	5.00	1.10	.80	.70			
5	1	1	16	2	3	6940	5.10	1.20	.80	.70			
5	1	1	16	3	3	6870	5.00	1.10	.80	.70			
5	1	1	17	1	2	5090	3.40	.80	.60	.50			
5	1	1	17	2	2	5180	3.40	.90	.60	.50			
5	1	1	17	3	2	5150	3.40	.90	.60	.50			
5	1	2	3	1	1	1080	.60	.20	.10	.10			

5	1	2	3	2	1	1080	.60	.20	.20	.10	
5	1	2	3	3	1	1080	.60	.20	.20	.10	
5	1	2	13	1	2	5060	3.30	.80	.50	.50	
5	1	2	13	2	2	5010	3.30	.80	.50	.50	
5	1	2	13	3	2	5120	3.40	.80	.50	.40	
5	1	2	17	1	3	6890	4.80	1.10	.80	.70	
5	1	2	17	2	3	6960	4.90	1.10	.70	.70	
5	1	2	17	3	3	6840	4.90	1.10	.70	.60	
5	1	3	5	1	1	980	.60	.20	.20	.10	
5	1	3	5	2	1	990	.60	.20	.10	.10	
5	1	3	5	3	1	970	.60	.20	.10	.10	
5	1	3	6	1	3	7010	5.00	1.20	.70	.70	
5	1	3	6	2	3	7020	5.10	1.20	.80	.70	
5	1	3	6	3	3	6980	5.00	1.10	.70	.60	
5	1	3	14	1	2	5000	3.30	.90	.50	.50	
5	1	3	14	2	2	5010	3.30	.90	.50	.50	
5	1	3	14	3	2	4970	3.30	.80	.50	.50	
6	1	1	2	1	4	10134	5.84	4.18	1.84	1.55	1.46
6	1	1	2	2	4	10118	5.80	7.18	1.85	1.55	1.45
6	1	1	2	3	4	10180	5.80	4.20	1.85	1.55	1.46
6	1	1	5	1	5	14255	9.61	6.66	2.43	2.11	1.98
6	1	1	5	2	5	14436	9.88	6.87	2.44	2.11	1.98
6	1	1	5	3	5	14710	10.18	7.06	2.45	2.12	2.00
6	1	1	6	1	1	1113	.44	.29	.26	.20	.20
6	1	1	6	2	1	1016	.40	.27	.24	.19	.19
6	1	1	6	3	1	970	.39	.25	.23	.18	.19
6	1	1	10	1	3	7082	4.02	2.86	1.39	1.15	1.08
6	1	1	10	2	3	7057	3.96	2.83	1.38	1.15	1.08
6	1	1	10	3	3	7031	3.92	2.81	1.37	1.15	1.07
6	1	1	15	1	2	5085	2.68	1.90	1.02	.84	.80
6	1	1	15	2	2	5079	2.65	1.89	1.01	.84	.80
6	1	1	15	3	2	5042	2.62	1.88	1.01	.85	.80
6	1	2	1	1	2	5042	2.65	1.86	1.02	.85	.81
6	1	2	1	2	2	5135	2.64	1.87	1.03	.86	.81
6	1	2	1	3	2	5079	2.61	1.86	1.03	.86	.81
6	1	2	4	1	3	6961	3.92	2.88	1.38	1.15	1.08
6	1	2	4	2	3	7103	3.94	2.92	1.39	1.16	1.09
6	1	2	4	3	3	7106	3.92	2.91	1.39	1.16	1.09
6	1	2	9	1	5	14324	9.86	7.08	2.16	1.89	1.80
6	1	2	9	2	5	14665	10.34	7.33	2.19	1.89	1.80
6	1	2	9	3	5	14625	10.33	7.36	2.17	1.89	1.80
6	1	2	10	1	1	1004	.39	.27	.22	.18	.18
6	1	2	10	2	1	1053	.41	.28	.22	.18	.18
6	1	2	10	3	1	1024	.39	.25	.22	.18	.18
6	1	2	19	1	4	10027	6.31	4.71	2.04	1.69	1.58
6	1	2	19	2	4	10087	6.29	4.72	2.04	1.70	1.58
6	1	2	19	3	4	10128	6.28	4.73	2.05	1.70	1.58
6	1	3	2	1	1	1130	.44	.29	.23	.19	.19
6	1	3	2	2	1	1066	.42	.28	.23	.19	.19
6	1	3	2	3	1	1104	.43	.27	.23	.19	.19
6	1	3	3	1	3	6942	3.85	2.90	1.39	1.18	1.10
6	1	3	3	2	3	7087	3.92	2.96	1.41	1.19	1.10
6	1	3	3	3	3	7122	3.94	2.97	1.42	1.19	1.11
6	1	3	4	1	2	4997	2.66	1.92	1.02	.86	.81

6	1	3	4	2	2	5017	2.65	1.92	1.03	.86	.81	
6	1	3	4	3	2	4936	2.61	1.89	1.02	.86	.81	
6	1	3	12	1	4	9622	5.74	4.30	1.92	1.60	1.50	
6	1	3	12	2	4	10114	5.93	4.45	1.96	1.64	1.54	
6	1	3	12	3	4	10120	5.94	4.46	1.95	1.64	1.53	
6	1	3	15	1	5	14759	9.31	6.64	2.76	2.32	2.17	
6	1	3	15	2	5	15239	9.71	6.93	2.83	2.39	2.22	
6	1	3	15	3	5	15286	9.69	6.93	2.84	2.39	2.22	
7	1	1	1	1	4	10814	19.60	5.90	.70	.90	.90	.80
7	1	1	1	1	4	10814	17.90	5.80	.70	.90	.90	.80
7	1	1	1	3	4	10814	17.40	5.80	.80	.90	.90	.80
7	1	1	18	1	5	15655	29.80	9.10	1.40	1.50	1.50	1.30
7	1	1	18	2	5	15655	25.70	8.40	1.40	1.40	1.50	1.20
7	1	1	18	3	5	15655	25.00	8.30	1.50	1.40	1.50	1.20
7	1	2	12	1	5	15963	27.80	9.80	1.30	1.40	1.40	1.30
7	1	2	12	2	5	15963	24.50	8.50	1.40	1.40	1.50	1.20
7	1	2	12	3	5	15963	23.80	8.40	1.40	1.40	1.50	1.20
7	1	2	16	1	4	10608	19.50	6.30	.70	1.00	.90	.80
7	1	2	16	2	4	10608	17.40	5.70	.70	1.00	1.00	.80
7	1	2	16	3	4	10608	16.90	5.60	.80	1.00	1.00	.80
7	1	3	11	1	4	10299	20.50	6.30	.70	.90	1.00	.90
7	1	3	11	2	4	10299	18.10	5.80	.80	1.00	1.00	.80
7	1	3	11	3	4	10299	17.60	5.80	.80	1.00	1.00	.80
7	1	3	13	1	5	15655	33.40	10.60	1.40	1.50	1.50	1.40
7	1	3	13	2	5	15655	25.60	7.50	1.40	1.50	1.50	1.30
7	1	3	13	3	5	15655	24.40	8.20	1.50	1.50	1.50	1.30
7	2	1	4	1	6	18744	34.80	11.30	1.50	1.70	1.70	1.50
7	2	1	4	2	6	18744	30.10	10.10	1.70	1.70	1.80	1.50
7	2	1	4	3	6	18744	29.10	10.00	1.70	1.70	1.70	1.50
7	2	2	4	1	6	18568	33.70	10.60	1.40	1.70	1.70	1.50
7	2	2	4	2	6	18568	29.80	9.80	1.50	1.70	1.80	1.50
7	2	2	4	3	6	18568	29.00	9.70	1.60	1.70	1.80	1.50
7	2	3	4	1	6	18744	33.30	10.30	1.70	1.80	1.70	1.50
7	2	3	4	2	6	18744	29.10	9.60	1.70	1.80	1.70	1.50
7	2	3	4	3	6	18744	28.30	9.60	1.80	1.80	1.70	1.50

SITE 10

1	1	1	7	1	4	10018	5.00	4.44	4.29	3.77	3.46	2.67	1.85
1	1	1	7	2	4	10231	5.07	4.52	4.29	3.93	3.58	2.75	2.08
1	1	1	7	3	4	10249	5.07	4.52	4.29	3.85	3.58	2.67	1.85
1	1	1	8	1	3	7095	3.58	3.14	2.87	2.67	2.36	1.96	1.37
1	1	1	8	2	3	7177	3.58	3.14	2.95	2.63	2.44	1.85	1.37
1	1	1	8	3	3	7148	3.46	3.14	2.95	2.67	2.44	1.81	1.37
1	1	1	14	1	5	13781	6.81	6.18	5.94	5.35	4.76	3.77	2.67
1	1	1	14	2	5	14007	6.88	6.14	5.82	5.43	5.00	3.85	2.79
1	1	1	14	3	5	14061	6.88	6.18	5.82	5.35	4.76	3.74	2.59
1	1	1	15	1	2	5077	2.55	2.28	2.12	1.92	1.65	1.33	.94
1	1	1	15	2	2	5161	2.55	2.48	2.12	1.92	1.85	1.45	.94
1	1	1	15	3	2	5160	2.59	2.28	2.08	1.92	1.77	1.45	.94
1	1	2	7	1	5	13698	6.37	5.98	5.62	5.23	4.68	3.66	2.67
1	1	2	7	2	5	14023	6.61	5.90	5.74	5.23	4.72	3.66	2.67
1	1	2	7	3	5	14112	6.61	6.10	5.82	5.23	4.76	3.66	2.67
1	1	2	10	1	3	7059	3.58	3.14	2.87	2.63	2.44	1.85	1.37

1	1	2	10	2	3	7181	3.66	3.14	2.95	2.63	2.44	1.85	1.37
1	1	2	10	3	3	7169	3.58	3.26	2.87	2.63	2.44	1.85	1.14
1	1	2	16	1	4	10072	4.76	4.33	4.09	3.74	3.46	2.55	1.96
1	1	2	16	2	4	10249	4.88	4.29	4.09	3.74	3.38	2.67	1.85
1	1	2	16	3	4	10184	5.00	4.33	4.01	3.74	3.38	2.67	1.85
1	1	2	17	1	2	5101	2.44	2.20	2.00	1.85	1.65	1.29	.86
1	1	2	17	2	2	5163	2.44	2.20	2.08	1.92	1.65	1.25	1.06
1	1	2	17	3	2	5178	2.55	2.20	2.08	1.92	1.77	1.45	1.06
1	1	3	1	1	5	13846	6.69	6.10	5.94	5.35	4.76	3.58	2.67
1	1	3	1	2	5	14053	6.69	6.10	5.94	5.43	4.76	3.77	2.79
1	1	3	1	3	5	14165	6.81	6.18	6.02	5.43	4.88	3.85	2.79
1	1	3	4	1	2	5110	2.44	2.08	2.00	1.73	1.65	1.25	.86
1	1	3	4	2	2	5169	2.36	2.08	1.88	1.85	1.53	1.25	.86
1	1	3	4	3	2	5172	2.44	2.08	2.00	1.85	1.53	1.33	.90
1	1	3	5	1	3	7095	3.26	2.87	2.55	2.44	2.16	1.65	1.14
1	1	3	5	2	3	7183	3.38	3.07	2.75	2.44	2.16	1.65	1.14
1	1	3	5	3	3	7178	3.38	2.95	2.67	2.44	2.16	1.77	1.14
1	1	3	12	1	4	10078	5.07	4.52	4.40	3.85	3.58	2.75	1.85
1	1	3	12	2	4	10213	5.19	4.52	4.40	3.85	3.58	2.87	1.96
1	1	3	12	3	4	10225	5.27	4.72	4.40	3.85	3.66	2.87	1.96
2	1	1	5	1	5	16270	7.01	6.38	5.31	4.17	3.03	2.17	1.54
2	1	1	5	2	5	15800	6.77	6.34	5.28	4.13	3.03	2.17	1.54
2	1	1	5	3	5	15590	6.77	6.34	5.28	4.13	3.03	2.13	1.54
2	1	1	6	1	4	10010	4.09	3.90	3.23	2.56	1.89	1.34	.91
2	1	1	6	2	4	10010	4.09	3.86	3.23	2.56	1.89	1.34	.91
2	1	1	6	3	4	9940	4.13	3.86	3.19	2.52	1.85	1.34	.91
2	1	2	8	1	4	10270	3.94	3.90	3.19	2.52	1.89	1.38	.91
2	1	2	8	2	4	10350	3.94	3.86	3.19	2.52	1.85	1.34	.91
2	1	2	8	3	4	10410	3.94	3.86	3.15	2.48	1.85	1.34	.91
2	1	2	9	1	5	15510	6.65	6.22	5.12	4.02	2.91	2.13	1.50
2	1	2	9	2	5	15110	6.73	6.18	5.12	4.02	2.95	2.13	1.50
2	1	2	9	3	5	14990	6.69	6.18	5.08	4.02	2.95	2.13	1.50
2	1	3	9	1	5	15990	6.54	6.06	5.00	3.94	2.91	2.13	1.50
2	1	3	9	2	5	15300	6.54	6.06	4.96	3.94	2.91	2.09	1.50
2	1	3	9	3	5	15030	6.38	6.06	4.96	3.94	2.91	2.13	1.50
2	1	3	19	1	4	10660	3.82	3.70	3.11	2.40	1.81	1.34	.91
2	1	3	19	2	4	10660	3.86	3.70	3.07	2.40	1.77	1.30	.87
2	1	3	19	3	4	10600	3.82	3.70	3.07	2.40	1.77	1.30	.91
2	2	1	1	1	7	24730	10.87	10.12	8.50	6.57	4.84	3.58	2.60
2	2	1	1	2	7	24650	10.79	10.12	8.39	6.54	4.80	3.50	2.56
2	2	1	1	3	7	24850	11.30	10.16	8.50	6.57	4.88	3.54	2.60
2	2	1	2	1	9	49800	25.31	23.27	19.41	15.35	11.30	8.27	5.94
2	2	1	2	2	9	49740	25.24	23.35	19.49	15.39	11.42	8.39	6.02
2	2	1	2	3	9	49680	25.39	23.39	19.57	15.47	11.38	8.35	5.79
2	2	2	1	1	7	24740	11.26	10.43	8.78	6.85	4.92	3.62	2.40
2	2	2	1	2	7	24630	11.50	10.39	8.70	6.85	4.92	3.62	2.44
2	2	2	1	3	7	24700	11.26	10.43	8.74	6.81	4.96	3.58	2.44
2	2	2	2	1	9	49760	25.91	23.62	19.84	15.71	11.54	8.35	6.02
2	2	2	2	2	9	49740	26.02	23.74	20.00	15.75	11.61	8.39	6.06
2	2	2	2	3	9	49710	26.14	23.78	20.00	15.79	11.61	8.54	6.06
2	2	3	1	1	9	50380	26.69	24.02	20.24	16.02	11.65	8.62	6.06
2	2	3	1	2	9	50120	26.54	24.02	20.24	15.98	11.77	8.58	6.06
2	2	3	1	3	9	49930	26.77	23.98	20.35	15.98	11.73	8.62	6.02
2	2	3	4	1	7	24460	12.52	11.18	9.33	7.44	5.47	3.70	2.64

2	2	3	4	2	7	24300	12.17	11.14	9.13	7.05	5.51	3.43	2.64
2	2	3	4	3	7	24360	12.13	11.10	9.37	7.36	5.43	3.70	2.68
3	1	1	18	1	1	1000	.37	.37	.29	.20	.15		
3	1	1	18	2	1	1000	.37	.36	.29	.20	.15		
3	1	1	18	3	1	1000	.37	.36	.29	.20	.15		
3	1	2	19	1	1	1000	.37	.34	.29	.20	.14		
3	1	2	19	2	1	1000	.37	.34	.29	.20	.15		
3	1	2	19	3	1	1000	.37	.35	.28	.20	.14		
3	1	3	11	1	1	1000	.39	.36	.30	.21	.15		
3	1	3	11	2	1	1000	.39	.36	.30	.21	.15		
3	1	3	11	3	1	1000	.39	.36	.30	.21	.15		
4	1	1	2	1	4	10901	4.53	4.02	3.23	2.60	1.93	1.34	1.06
4	1	1	2	2	4	10758	4.37	3.94	3.15	2.48	1.85	1.26	.98
4	1	1	2	3	4	10789	4.33	3.90	3.11	2.44	1.85	1.26	.98
4	1	1	11	1	5	15096	6.93	6.10	5.08	3.94	2.99	2.13	1.57
4	1	1	11	2	5	14968	6.93	6.02	5.08	3.94	2.95	2.13	1.57
4	1	1	11	3	5	14937	6.85	6.06	5.04	3.94	2.95	2.13	1.54
4	1	2	1	1	4	10694	4.88	4.25	3.62	2.80	2.17	1.46	1.10
4	1	2	1	2	4	10583	4.76	4.17	3.58	2.68	2.09	1.46	1.10
4	1	2	1	3	4	10615	4.76	4.17	3.54	2.72	2.05	1.46	1.06
4	1	2	18	1	5	14746	7.36	6.26	5.24	4.02	2.95	2.05	1.54
4	1	2	18	2	5	14730	7.36	6.26	5.24	4.02	2.99	2.09	1.57
4	1	2	18	3	5	14714	7.36	6.30	5.20	4.02	2.99	2.05	1.57
4	1	3	2	1	4	10694	5.08	4.41	3.62	2.87	2.20	1.46	1.14
4	1	3	2	2	4	10615	4.96	4.37	3.62	2.80	2.09	1.42	1.18
4	1	3	2	3	4	10567	4.96	4.33	3.62	2.80	2.09	1.42	1.14
4	1	3	13	1	5	14778	6.81	6.02	4.96	3.90	2.87	2.05	1.54
4	1	3	13	2	5	14698	6.69	5.87	4.92	3.82	2.76	1.97	1.46
4	1	3	13	3	5	14778	6.77	5.94	4.92	3.86	2.80	2.05	1.50
4	2	1	3	1	7	25120	12.76	11.16	9.40	7.37	5.42	3.84	2.76
4	2	1	3	2	7	25472	12.72	11.16	9.44	7.37	5.46	3.80	2.84
4	2	1	3	3	7	25368	12.64	11.12	9.44	7.33	5.39	3.84	2.84
4	2	2	3	1	7	25106	12.95	11.38	9.53	7.40	5.43	3.78	2.80
4	2	2	3	2	7	25297	12.99	11.38	9.53	7.40	5.43	3.78	2.83
4	2	2	3	3	7	25186	12.99	11.26	9.49	7.32	5.35	3.70	2.87
4	2	3	2	1	7	24979	13.46	11.85	9.80	7.64	5.55	3.82	2.83
4	2	3	2	2	7	25170	13.54	11.65	9.80	7.52	5.51	3.78	2.83
4	2	3	2	3	7	25170	13.50	11.54	9.69	7.44	5.47	3.74	2.83
5	1	1	3	1	1	1030	.50	.30	.30	.20			
5	1	1	3	2	1	1060	.50	.40	.30	.20			
5	1	1	3	3	1	1060	.50	.30	.30	.20			
5	1	1	13	1	2	5040	2.30	1.60	1.20	.90			
5	1	1	13	2	2	4930	2.30	1.60	1.20	.90			
5	1	1	13	3	2	4980	2.30	1.60	1.20	.90			
5	1	1	17	1	3	7060	3.20	2.30	1.60	1.20			
5	1	1	17	2	3	6970	3.20	2.30	1.70	1.20			
5	1	1	17	3	3	6940	3.20	2.30	1.70	1.20			
5	1	2	5	1	1	1190	.60	.40	.30	.20			
5	1	2	5	2	1	1120	.60	.40	.30	.20			
5	1	2	5	3	1	1000	.50	.30	.30	.20			
5	1	2	6	1	3	6900	3.30	2.40	1.70	1.20			
5	1	2	6	2	3	6910	3.30	2.40	1.70	1.20			
5	1	2	6	3	3	6910	3.30	2.40	1.70	1.20			
5	1	2	14	1	2	4980	2.30	1.60	1.20	.90			

5	1	2	14	2	2	4990	2.30	1.60	1.20	.90	
5	1	2	14	3	2	5010	2.30	1.60	1.20	.80	
5	1	3	8	1	3	6760	3.20	2.30	1.70	1.20	
5	1	3	8	2	3	6910	3.30	2.30	1.70	1.20	
5	1	3	8	3	3	6870	3.30	2.30	1.70	1.20	
5	1	3	10	1	2	5060	2.20	1.60	1.20	.80	
5	1	3	10	2	2	5000	2.20	1.60	1.20	.80	
5	1	3	10	3	2	5050	2.20	1.60	1.10	.80	
5	1	3	14	1	1	1020	.50	.30	.20	.20	
5	1	3	14	2	1	1050	.50	.30	.20	.20	
5	1	3	14	3	1	1010	.50	.40	.20	.20	
6	1	1	1	1	2	4981	1.74	1.48	1.01	.70	.52
6	1	1	1	2	2	5090	1.76	1.51	1.02	.71	.52
6	1	1	1	3	2	5145	1.78	1.52	1.03	.71	.53
6	1	1	4	1	3	7032	2.68	2.35	1.59	1.08	.79
6	1	1	4	2	3	6954	2.65	2.33	1.57	1.06	.77
6	1	1	4	3	3	7043	2.67	2.34	1.58	1.08	.79
6	1	1	9	1	5	14728	5.70	4.98	3.38	2.30	1.76
6	1	1	9	2	5	14325	5.58	4.90	3.33	2.28	1.74
6	1	1	9	3	5	14367	5.59	4.91	3.35	2.29	1.74
6	1	1	10	1	1	1084	.30	.25	.22	.13	.12
6	1	1	10	2	1	1079	.30	.24	.22	.13	.12
6	1	1	10	3	1	1081	.31	.26	.23	.14	.12
6	1	1	19	1	4	9823	3.85	3.38	2.26	1.51	1.15
6	1	1	19	2	4	9969	3.90	3.42	2.28	1.53	1.16
6	1	1	19	3	4	10319	4.01	3.52	2.35	1.57	1.19
6	1	2	2	1	1	905	.27	.21	.20	.12	.11
6	1	2	2	2	1	982	.28	.23	.21	.13	.11
6	1	2	2	3	1	1008	.30	.24	.22	.13	.12
6	1	2	3	1	3	7265	2.79	2.45	1.65	1.08	.81
6	1	2	3	2	3	7073	2.73	2.41	1.63	1.07	.80
6	1	2	3	3	3	6926	2.68	2.36	1.60	1.05	.79
6	1	2	4	1	2	5043	1.87	1.63	1.14	.76	.57
6	1	2	4	2	2	5181	1.96	1.72	1.20	.80	.60
6	1	2	4	3	2	5127	1.95	1.70	1.20	.80	.60
6	1	2	12	1	4	9730	3.68	3.22	2.20	1.47	1.12
6	1	2	12	2	4	10273	3.89	3.42	2.32	1.55	1.19
6	1	2	12	3	4	10294	3.87	3.40	2.31	1.56	1.18
6	1	2	15	1	5	14928	6.04	5.35	3.61	2.46	1.86
6	1	2	15	2	5	14561	5.96	5.28	3.59	2.45	1.86
6	1	2	15	3	5	14520	5.94	5.28	3.58	2.44	1.84
6	1	3	3	1	1	1136	.33	.28	.24	.16	.13
6	1	3	3	2	1	1176	.34	.29	.25	.16	.14
6	1	3	3	3	1	1185	.34	.28	.24	.16	.13
6	1	3	7	1	2	4993	1.86	1.63	1.13	.79	.58
6	1	3	7	2	2	4859	1.80	1.56	1.09	.76	.56
6	1	3	7	3	2	5006	1.85	1.61	1.12	.79	.57
6	1	3	15	1	5	14946	6.47	5.70	3.85	2.70	1.96
6	1	3	15	2	5	14179	6.12	5.41	3.65	2.55	1.85
6	1	3	15	3	5	14356	6.15	5.45	3.67	2.58	1.86
6	1	3	17	1	4	9613	4.01	3.49	2.36	1.59	1.18
6	1	3	17	2	4	10059	4.17	3.64	2.45	1.67	1.23
6	1	3	17	3	4	9808	4.07	3.55	2.39	1.62	1.20
6	1	3	18	1	3	6793	2.72	2.40	1.62	1.08	.80

6	1	3	18	2	3	7038	2.81	2.49	1.69	1.13	.83	
6	1	3	18	3	3	6919	2.77	2.45	1.66	1.11	.82	
7	1	1	12	1	5	15552	6.10	5.10	4.30	3.30	2.40	1.90
7	1	1	12	2	5	15552	5.60	4.70	4.00	3.10	2.30	1.80
7	1	1	12	3	5	15552	5.60	4.70	3.90	3.10	2.30	1.80
7	1	1	16	1	4	10402	4.30	3.40	2.80	2.30	1.70	1.30
7	1	1	16	2	4	10402	3.90	3.20	2.60	2.20	1.70	1.20
7	1	1	16	3	4	10402	3.80	3.10	2.60	2.20	1.60	1.20
7	1	2	11	1	4	10299	3.60	3.10	2.50	2.00	1.50	1.20
7	1	2	11	2	4	10299	3.40	3.00	2.40	1.90	1.50	1.10
7	1	2	11	3	4	10299	3.30	3.00	2.30	1.90	1.50	1.10
7	1	2	13	1	5	14625	5.90	4.80	4.10	3.30	2.40	1.90
7	1	2	13	2	5	14625	5.50	4.60	4.00	3.20	2.40	1.80
7	1	2	13	3	5	14625	5.50	4.60	3.90	3.10	2.30	1.80
7	1	3	6	1	5	14213	5.00	4.30	3.70	2.90	2.20	1.70
7	1	3	6	2	5	14213	4.80	4.20	3.50	2.80	2.10	1.70
7	1	3	6	3	5	14213	4.80	4.20	3.50	2.80	2.10	1.70
7	1	3	16	1	4	9681	3.50	3.00	2.40	2.00	1.50	1.20
7	1	3	16	2	4	9681	3.40	2.90	2.30	1.90	1.50	1.10
7	1	3	16	3	4	9681	3.30	2.80	2.30	1.90	1.50	1.10
7	2	1	4	1	6	20186	9.70	8.30	6.90	5.40	3.90	3.00
7	2	1	4	2	6	20186	9.40	8.10	6.70	5.20	3.80	2.80
7	2	1	4	3	6	20186	9.40	8.00	6.60	5.20	3.70	2.80
7	2	2	4	1	6	19671	8.90	7.60	6.30	4.90	3.50	2.80
7	2	2	4	2	6	19671	8.70	7.40	6.10	4.70	3.50	2.70
7	2	2	4	3	6	19671	8.60	7.30	6.10	4.70	3.50	2.70
7	2	3	3	1	6	19774	9.60	8.20	6.90	5.20	3.80	3.00
7	2	3	3	2	6	19774	9.40	8.00	6.60	5.10	3.70	2.80
7	2	3	3	3	6	19774	9.30	8.00	6.60	5.10	3.70	2.80

SITE 11

1	1	1	7	1	5	13846	2.04	1.88	1.88	1.73	1.77	1.53	1.57
1	1	1	7	2	5	14226	2.16	1.88	1.88	1.85	1.85	1.65	1.73
1	1	1	7	3	5	14265	1.96	2.00	1.88	1.85	1.77	1.81	1.65
1	1	1	10	1	3	7219	1.29	1.06	.94	.94	.82	.82	.74
1	1	1	10	2	3	7219	1.25	1.10	1.02	.94	.94	1.06	.94
1	1	1	10	3	3	7221	1.25	1.02	1.14	1.10	1.06	1.06	.94
1	1	1	16	1	4	10172	1.77	1.49	1.53	1.45	1.33	1.25	1.25
1	1	1	16	2	4	10355	1.77	1.49	1.37	1.45	1.33	1.25	1.14
1	1	1	16	3	4	10367	1.77	1.49	1.41	1.45	1.25	1.18	1.14
1	1	1	17	1	2	5122	.94	.90	.74	.74	.62	.74	.62
1	1	1	17	2	2	5234	.94	.82	.74	.74	.62	.62	.62
1	1	1	17	3	2	5231	.82	.70	.82	.82	.74	.74	.62
1	1	2	1	1	5	14041	2.16	2.00	1.88	1.85	1.85	1.77	1.57
1	1	2	1	2	5	14348	2.16	2.08	1.88	1.73	1.77	1.65	1.65
1	1	2	1	3	5	14425	2.20	2.00	1.96	1.85	1.77	1.65	1.57
1	1	2	4	1	2	5125	.94	.82	.74	.62	.62	.62	.55
1	1	2	4	2	2	5210	.82	.82	.74	.74	.74	.62	.62
1	1	2	4	3	2	5104	.94	.82	.82	.74	.74	.82	.62
1	1	2	5	1	3	7118	1.25	1.10	.94	.94	.94	.82	.74
1	1	2	5	2	3	7221	1.25	1.22	1.14	.94	.94	.82	.74
1	1	2	5	3	3	7209	1.33	1.02	1.02	1.02	1.06	1.06	.74
1	1	2	12	1	4	10151	1.53	1.41	1.45	1.22	1.33	1.29	1.25

1	1	2	12	2	4	10349	1.65	1.49	1.41	1.33	1.33	1.33	1.14
1	1	2	12	3	4	10284	1.65	1.49	1.41	1.33	1.45	1.25	1.14
1	1	3	3	1	4	10202	1.85	1.45	1.45	1.45	1.45	1.25	1.25
1	1	3	3	2	4	10361	1.77	1.49	1.45	1.33	1.33	1.29	1.25
1	1	3	3	3	4	10349	1.69	1.53	1.45	1.37	1.33	1.33	1.22
1	1	3	4	1	2	5133	.94	.82	.82	.74	.78	.59	.62
1	1	3	4	2	2	5219	1.06	.82	.82	.74	.74	.74	.62
1	1	3	4	3	2	5240	1.06	.86	.82	.82	.74	.62	.62
1	1	3	15	1	3	7106	1.14	1.10	1.14	1.02	.94	.94	.86
1	1	3	15	2	3	7199	1.33	1.10	1.02	1.02	.82	.94	.94
1	1	3	15	3	3	7191	1.33	1.06	.98	.82	.94	1.06	.86
1	1	3	17	1	5	14248	2.16	1.88	1.88	1.92	1.85	1.77	1.57
1	1	3	17	2	5	14539	2.24	2.00	1.81	1.85	1.77	1.65	1.57
1	1	3	17	3	5	14614	2.16	2.08	1.88	1.77	1.85	1.85	1.57
2	1	1	8	1	4	10010	1.06	1.06	1.02	.94	.87	.79	.75
2	1	1	8	2	4	10080	.87	1.06	1.02	.91	.87	.79	.75
2	1	1	8	3	4	9870	1.10	1.06	1.02	.91	.87	.83	.75
2	1	1	9	1	5	15840	1.73	1.73	1.61	1.57	1.46	1.30	1.22
2	1	1	9	2	5	15450	1.85	1.73	1.65	1.57	1.38	1.30	1.22
2	1	1	9	3	5	15550	1.85	1.73	1.65	1.57	1.46	1.30	1.22
2	1	2	9	1	5	16950	1.81	1.73	1.65	1.57	1.46	1.30	1.22
2	1	2	9	2	5	16590	1.85	1.73	1.69	1.61	1.46	1.30	1.26
2	1	2	9	3	5	16450	1.89	1.73	1.65	1.57	1.46	1.34	1.22
2	1	2	19	1	4	10660	1.06	1.06	1.02	.94	.87	.79	.75
2	1	2	19	2	4	10510	.98	1.10	1.06	.94	.87	.83	.75
2	1	2	19	3	4	10480	1.02	1.10	1.06	.94	.87	.79	.75
2	1	3	8	1	5	16090	1.69	1.73	1.65	1.54	1.46	1.34	1.22
2	1	3	8	2	5	15410	1.69	1.73	1.65	1.57	1.46	1.34	1.22
2	1	3	8	3	5	15300	1.85	1.77	1.69	1.57	1.46	1.34	1.22
2	1	3	16	1	4	9830	1.22	1.06	1.06	.91	.87	.79	.75
2	1	3	16	2	4	10010	1.14	1.02	1.02	.91	.87	.79	.75
2	1	3	16	3	4	9760	1.18	1.06	1.02	.91	.87	.79	.75
2	2	1	1	1	7	25570	3.43	3.23	2.99	2.83	2.68	2.36	2.13
2	2	1	1	2	7	25070	3.46	3.27	2.99	2.83	2.68	2.36	2.13
2	2	1	1	3	7	24710	3.46	3.19	2.99	2.80	2.64	2.36	2.17
2	2	1	2	1	9	51130	6.73	6.30	6.02	5.67	5.24	4.84	4.37
2	2	1	2	2	9	50850	6.61	6.30	5.98	5.67	5.24	4.84	4.37
2	2	1	2	3	9	50920	6.57	6.30	6.02	5.67	5.24	4.84	4.41
2	2	2	1	1	7	25670	3.46	3.23	3.03	2.83	2.64	2.40	2.13
2	2	2	1	2	7	24670	3.46	3.19	2.99	2.80	2.60	2.36	2.17
2	2	2	1	3	7	24420	3.39	3.19	2.99	2.80	2.60	2.36	2.13
2	2	2	2	1	9	51350	6.65	6.34	6.06	5.71	5.31	4.84	4.45
2	2	2	2	2	9	50770	6.61	6.30	6.06	5.67	5.28	4.84	4.45
2	2	2	2	3	9	50920	6.61	6.34	6.06	5.67	5.28	4.84	4.45
2	2	3	1	1	7	25320	3.39	3.27	3.03	2.80	2.64	2.40	2.17
2	2	3	1	2	7	24810	3.43	3.27	3.03	2.80	2.60	2.40	2.20
2	2	3	1	3	7	24420	3.50	3.19	3.03	2.80	2.60	2.40	2.13
2	2	3	3	1	9	51240	6.61	6.34	6.06	5.75	5.24	4.80	4.41
2	2	3	3	2	9	50920	6.73	6.34	6.02	5.67	5.28	4.84	4.41
2	2	3	3	3	9	50850	6.73	6.30	6.02	5.71	5.28	4.84	4.41
3	1	1	19	1	1	1000	.15	.14	.15	.12	.13		
3	1	1	19	2	1	1000	.15	.14	.15	.12	.13		
3	1	1	19	3	1	1000	.15	.14	.15	.12	.13		
3	1	2	11	1	1	1000	.14	.13	.14	.11	.12		

3	1	2	11	2	1	1000	.14	.14	.14	.11	.12		
3	1	2	11	3	1	1000	.14	.14	.14	.12	.12		
3	1	3	9	1	1	1000	.16	.15	.16	.13	.13		
3	1	3	9	2	1	1000	.16	.15	.16	.13	.13		
3	1	3	9	3	1	1000	.16	.15	.16	.13	.13		
4	1	1	1	1	4	10249	1.30	1.26	1.22	1.14	1.14	.94	.98
4	1	1	1	2	4	10217	1.22	1.18	1.18	1.06	1.06	.91	.91
4	1	1	1	3	4	10170	1.22	1.18	1.18	1.10	1.06	.91	.91
4	1	1	18	1	5	15350	1.93	1.85	1.81	1.65	1.61	1.42	1.34
4	1	1	18	2	5	15302	1.85	1.85	1.81	1.65	1.57	1.38	1.34
4	1	1	18	3	5	15254	1.81	1.81	1.77	1.61	1.54	1.34	1.30
4	1	2	2	1	4	10249	1.30	1.22	1.18	1.10	1.06	.94	.91
4	1	2	2	2	4	10281	1.30	1.26	1.22	1.14	1.06	.98	.94
4	1	2	2	3	4	10217	1.34	1.22	1.22	1.14	1.06	.98	.94
4	1	2	13	1	5	15270	1.97	1.85	1.81	1.65	1.57	1.42	1.34
4	1	2	13	2	5	15207	1.93	1.77	1.73	1.61	1.54	1.34	1.30
4	1	2	13	3	5	15175	1.97	1.81	1.77	1.61	1.57	1.38	1.30
4	1	3	2	1	5	15239	2.05	1.85	1.81	1.69	1.57	1.42	1.34
4	1	3	2	2	5	15223	2.05	1.81	1.77	1.65	1.57	1.46	1.34
4	1	3	2	3	5	15223	2.01	1.85	1.77	1.69	1.57	1.42	1.34
4	1	3	5	1	4	10233	1.26	1.22	1.18	1.10	1.06	.94	.91
4	1	3	5	2	4	10170	1.30	1.22	1.18	1.10	1.06	.94	.91
4	1	3	5	3	4	10154	1.30	1.26	1.22	1.14	1.14	.98	.98
4	2	1	3	1	7	25599	3.15	2.95	2.83	2.64	2.48	2.24	2.09
4	2	1	3	2	7	25789	3.11	2.95	2.91	2.64	2.60	2.24	2.17
4	2	1	3	3	7	25774	3.11	2.95	2.91	2.64	2.60	2.24	2.17
4	2	2	3	1	7	25758	3.27	2.87	2.80	2.60	2.48	2.13	2.13
4	2	2	3	2	7	25869	3.23	2.95	2.87	2.68	2.56	2.17	2.17
4	2	2	3	3	7	25901	3.27	2.83	2.80	2.60	2.52	2.09	2.17
4	2	3	4	1	7	25535	3.23	2.91	2.83	2.60	2.48	2.20	2.17
4	2	3	4	2	7	25646	3.07	2.91	2.83	2.60	2.52	2.13	2.05
4	2	3	4	3	7	25599	3.11	2.91	2.80	2.60	2.52	2.13	2.05
5	1	1	5	1	1	1030	.30	.20	.10	.20			
5	1	1	5	2	1	970	.30	.10	.20	.10			
5	1	1	5	3	1	900	.30	.20	.20	.20			
5	1	1	6	1	3	6590	1.30	1.00	.90	.80			
5	1	1	6	2	3	6950	1.30	1.00	.90	.80			
5	1	1	6	3	3	7060	1.30	1.00	.90	.80			
5	1	1	6	4	3	7040	1.40	1.00	.90	.90			
5	1	1	14	1	2	4940	.70	.50	.50	.40			
5	1	1	14	2	2	5040	.70	.50	.50	.50			
5	1	1	14	3	2	5000	.70	.50	.50	.50			
5	1	2	8	1	3	6970	1.70	1.00	.90	.80			
5	1	2	8	2	3	6930	1.70	1.00	.90	.90			
5	1	2	8	3	3	6940	1.70	1.00	.90	.90			
5	1	2	10	1	2	4970	.90	.50	.50	.40			
5	1	2	10	2	2	5010	.90	.50	.50	.40			
5	1	2	10	3	2	5000	1.00	.50	.50	.40			
5	1	2	14	1	1	1070	.30	.10	.10	.10			
5	1	2	14	2	1	1070	.30	.20	.20	.10			
5	1	2	14	3	1	1060	.20	.10	.20	.10			
5	1	3	6	1	2	5140	1.10	.70	.70	.60			
5	1	3	6	2	2	5070	1.20	.80	.70	.60			
5	1	3	6	3	2	5110	1.10	.70	.70	.60			

5	1	3	12	1	3	7140	1.30	.70	.70	.60	
5	1	3	12	2	3	6960	1.20	.70	.70	.60	
5	1	3	12	3	3	7070	1.30	.70	.60	.60	
5	1	3	13	1	1	1090	.30	.10	.20	.10	
5	1	3	13	2	1	1120	.30	.10	.10	.10	
5	1	3	13	3	1	1070	.30	.20	.10	.10	
6	1	3	1	1	1	1029	.15	.11	.14	.13	.14
6	1	3	1	2	1	1028	.16	.11	.14	.13	.13
6	1	3	1	3	1	1003	.16	.11	.14	.13	.14
6	1	3	10	1	5	15074	2.52	2.02	1.90	1.74	1.63
6	1	3	10	2	5	14877	2.46	2.01	1.88	1.72	1.62
6	1	3	10	3	5	14335	2.36	1.94	1.82	1.67	1.57
6	1	3	14	1	4	10080	1.72	1.39	1.31	1.19	1.14
6	1	3	14	2	4	10016	1.71	1.36	1.29	1.18	1.12
6	1	3	14	3	4	10149	1.72	1.39	1.31	1.20	1.14
6	1	3	18	1	3	7038	1.24	.96	.92	.85	.82
6	1	3	18	2	3	7490	1.29	1.01	.97	.89	.85
6	1	3	18	3	3	7056	1.24	.96	.92	.85	.81
6	1	3	19	1	2	5029	.88	.68	.67	.61	.59
6	1	3	19	2	2	5010	.89	.69	.67	.61	.59
6	1	3	19	3	2	5072	.90	.69	.68	.62	.60
6	1	2	3	1	1	936	.15	.09	.12	.10	.12
6	1	2	3	2	1	1067	.18	.11	.13	.13	.13
6	1	2	3	3	1	1079	.18	.11	.14	.13	.13
6	1	2	7	1	2	4858	.91	.67	.65	.60	.57
6	1	2	7	2	2	4066	.93	.68	.66	.61	.57
6	1	2	7	3	2	4880	.90	.66	.64	.60	.58
6	1	2	15	1	5	14334	2.58	1.94	1.81	1.66	1.56
6	1	2	15	2	5	14173	2.59	1.93	1.80	1.64	1.55
6	1	2	15	3	5	14055	2.56	1.91	1.79	1.63	1.54
6	1	2	17	1	4	10163	1.83	1.40	1.32	1.21	1.14
6	1	2	17	2	4	10065	1.80	1.38	1.30	1.20	1.13
6	1	2	17	3	4	10070	1.81	1.39	1.31	1.20	1.13
6	1	2	18	1	3	7069	1.26	.96	.92	.84	.81
6	1	2	18	2	3	6956	1.24	.96	.91	.84	.80
6	1	2	18	3	3	6977	1.25	.96	.91	.84	.80
6	1	1	2	1	1	1041	.17	.12	.14	.13	.13
6	1	1	2	2	1	1047	.15	.11	.13	.12	.12
6	1	1	2	3	1	1048	.16	.11	.14	.13	.13
6	1	1	3	1	3	7229	1.20	.97	.92	.85	.81
6	1	1	3	2	3	6994	1.17	.95	.90	.84	.79
6	1	1	3	3	3	7127	1.19	.97	.91	.84	.80
6	1	1	4	1	2	5047	.87	.69	.66	.61	.58
6	1	1	4	2	2	5370	.91	.72	.69	.64	.61
6	1	1	4	3	2	5174	.88	.70	.66	.61	.59
6	1	1	12	1	4	10221	2.00	1.36	1.29	1.19	1.13
6	1	1	12	2	4	10096	1.93	1.38	1.30	1.20	1.14
6	1	1	12	3	4	10358	1.96	1.39	1.30	1.21	1.15
6	1	1	15	1	5	14272	2.97	1.92	1.62	1.65	1.56
6	1	1	15	2	5	15263	3.19	2.09	1.94	1.79	1.70
6	1	1	15	3	5	14507	2.95	1.95	1.82	1.68	1.60
7	1	1	11	1	4	10093	1.20	1.10	.70	.90	.80
7	1	1	11	2	4	10093	1.20	1.10	.70	.90	.80
7	1	1	11	3	4	10093	1.20	1.10	.70	.90	.80

7	1	1	13	1	5	13801	1.80	1.70	1.50	1.40	1.30	1.30
7	1	1	13	2	5	13801	1.90	1.60	1.30	1.30	1.30	1.20
7	1	1	13	3	5	13801	1.80	1.50	1.30	1.30	1.30	1.20
7	1	2	6	1	5	13801	1.70	1.50	1.30	1.30	1.20	1.20
7	1	2	6	2	5	13801	1.70	1.60	1.30	1.40	1.30	1.20
7	1	2	6	3	5	13801	1.30	1.50	1.30	1.40	1.30	1.20
7	1	2	16	1	4	9887	1.20	1.00	.70	.80	.70	.80
7	1	2	16	2	4	9887	1.30	1.10	.70	.90	.90	.80
7	1	2	16	3	4	9887	1.30	1.10	.70	.90	.90	.90
7	1	3	7	1	5	13183	1.80	1.50	1.40	1.40	1.30	1.30
7	1	3	7	2	5	13183	1.80	1.50	1.30	1.30	1.30	1.20
7	1	3	7	3	5	13183	1.70	1.50	1.30	1.30	1.30	1.20
7	1	3	11	1	4	9475	1.30	1.20	.90	1.00	.90	.90
7	1	3	11	2	4	9475	1.20	1.10	.70	.90	.90	.80
7	1	3	11	3	4	9475	1.20	1.10	.70	.90	.90	.80
7	2	1	4	1	6	19568	2.50	2.30	2.00	2.00	1.90	1.80
7	2	1	4	2	6	19568	2.50	2.30	2.00	2.00	1.90	1.80
7	2	1	4	3	6	19568	2.60	2.30	1.90	2.00	1.90	1.80
7	2	2	4	1	6	19568	2.60	2.30	2.00	2.00	1.90	1.80
7	2	2	4	2	6	19568	2.50	2.20	2.00	2.00	1.90	1.80
7	2	2	4	3	6	19568	2.50	2.30	2.00	2.00	1.90	1.80
7	2	3	2	1	6	19362	2.50	2.30	2.00	2.00	1.90	1.80
7	2	3	2	2	6	19362	2.40	2.20	1.90	2.00	1.90	1.70
7	2	3	2	3	6	19362	2.50	2.20	1.90	2.00	1.90	1.70

SITE 12

1	1	1	1	1	5	13984	33.30	24.80	19.80	13.30	9.13	4.72	3.14
1	1	1	1	2	5	14303	31.10	23.40	18.80	12.90	9.05	4.72	3.22
1	1	1	1	3	5	14366	30.70	23.30	18.70	12.90	9.01	4.64	3.34
1	1	1	4	1	2	5033	14.70	9.56	7.28	4.84	3.38	1.88	1.25
1	1	1	4	2	2	5116	11.70	8.62	6.69	4.33	3.11	1.85	1.25
1	1	1	4	3	2	5113	11.50	8.38	6.61	4.33	2.95	1.61	1.14
1	1	1	5	1	3	7022	16.80	12.00	9.37	6.25	4.33	2.20	1.77
1	1	1	5	2	3	7087	16.10	11.60	9.17	5.98	4.29	2.32	1.65
1	1	1	5	3	3	7099	15.80	11.60	9.17	6.14	4.17	2.40	1.65
1	1	1	12	1	4	10037	25.00	18.30	14.00	9.29	6.18	3.14	2.16
1	1	1	12	2	4	10114	22.60	16.70	13.10	8.77	6.18	3.30	2.28
1	1	1	12	3	4	10143	22.40	16.50	13.00	8.77	5.98	3.30	2.44
1	1	2	3	1	4	9966	25.50	19.40	15.20	10.10	7.00	3.50	2.28
1	1	2	3	2	4	10114	23.20	17.70	13.80	9.29	6.49	3.42	2.36
1	1	2	3	3	4	10143	22.90	17.50	13.70	9.40	6.49	3.30	2.28
1	1	2	4	1	2	5028	12.30	8.85	6.88	4.44	3.14	1.81	1.25
1	1	2	4	2	2	5087	11.80	8.54	6.81	4.33	3.07	1.61	1.14
1	1	2	4	3	2	5087	11.60	8.42	6.61	4.25	3.07	1.69	1.14
1	1	2	15	1	3	6965	18.80	14.10	11.20	7.40	5.19	2.71	1.77
1	1	2	15	2	3	7081	16.80	12.50	9.96	6.69	4.68	2.59	1.65
1	1	2	15	3	3	7063	16.40	12.30	9.76	6.69	4.56	2.40	1.65
1	1	2	17	1	5	14087	34.80	26.40	21.10	14.20	9.76	4.84	3.30
1	1	2	17	2	5	14403	32.40	24.70	19.90	13.50	9.40	4.84	3.34
1	1	2	17	3	5	14527	32.20	24.60	20.00	13.50	9.56	4.84	3.30
1	1	3	4	1	3	6965	17.90	13.30	10.20	6.69	4.56	2.32	1.57
1	1	3	4	2	3	7075	16.60	12.20	9.52	6.14	4.37	2.20	1.57
1	1	3	4	3	3	7075	16.40	12.20	9.48	6.25	4.37	2.32	1.57

1	1	3	12	1	5	14116	34.70	26.00	20.30	13.70	9.52	4.92	3.30
1	1	3	12	2	5	14486	32.30	24.40	19.40	13.30	9.40	4.72	3.30
1	1	3	12	3	5	14503	31.90	24.20	19.50	13.10	9.33	4.84	3.30
1	1	3	13	1	4	10043	24.40	18.00	14.10	9.48	6.49	3.30	2.28
1	1	3	13	2	4	10161	23.50	17.50	13.70	9.29	6.49	3.30	2.36
1	1	3	13	3	4	10196	23.40	17.50	13.70	9.29	6.49	3.30	2.28
1	1	3	16	1	2	5016	13.00	9.88	7.75	5.15	3.58	1.88	1.14
1	1	3	16	2	2	5098	11.80	8.89	6.96	4.52	3.26	1.88	1.14
1	1	3	16	3	2	5104	11.60	8.74	6.81	4.52	3.14	1.69	1.25
2	1	1	9	1	5	14650	32.72	20.31	10.51	5.75	3.66	2.80	2.32
2	1	1	9	2	5	14760	30.43	19.69	10.47	5.75	3.62	2.68	2.20
2	1	1	9	3	5	14800	29.88	19.69	10.47	5.71	3.58	2.83	2.40
2	1	1	19	1	4	9930	21.14	14.17	7.20	3.78	2.36	1.89	1.54
2	1	1	19	2	4	10040	19.80	13.39	6.89	3.66	2.32	1.77	1.50
2	1	1	19	3	4	10030	19.49	13.19	6.77	3.66	2.32	1.81	1.50
2	1	2	8	1	5	14540	30.83	21.18	10.83	5.71	3.58	2.76	2.24
2	1	2	8	2	5	14650	29.57	20.75	10.71	5.63	3.54	2.72	2.24
2	1	2	8	3	5	14680	29.41	20.71	10.67	5.63	3.54	2.76	2.24
2	1	2	16	1	4	10150	20.47	13.66	6.77	3.50	2.28	1.81	1.54
2	1	2	16	2	4	10170	19.69	13.19	6.61	3.43	2.24	1.77	1.50
2	1	2	16	3	4	10120	19.45	13.07	6.57	3.43	2.20	1.77	1.46
2	1	3	1	1	4	10120	21.34	13.98	6.73	3.39	2.24	1.77	1.50
2	1	3	1	2	4	10110	20.12	13.15	6.42	3.23	2.20	1.81	1.54
2	1	3	1	3	4	10120	19.88	13.03	6.38	3.23	2.20	1.73	1.50
2	1	3	3	1	5	14560	32.91	23.03	11.97	6.10	3.66	2.87	2.40
2	1	3	3	2	5	14640	30.35	21.81	11.42	5.94	3.58	2.83	2.32
2	1	3	3	3	5	14680	29.96	21.65	11.34	5.91	3.62	2.87	2.32
2	2	1	1	1	7	23530	46.77	33.46	17.32	9.02	5.71	4.49	3.74
2	2	1	1	2	7	23240	46.54	32.80	17.24	9.06	5.75	4.45	3.70
2	2	1	1	3	7	23310	46.06	32.72	17.17	9.02	5.71	4.45	3.70
2	2	1	2	1	9	46840	85.43	60.87	33.82	18.86	12.24	9.61	7.99
2	2	1	2	2	9	47130	84.02	60.51	34.17	19.13	12.40	9.69	8.03
2	2	1	2	3	9	46910	83.94	60.51	34.25	19.17	12.40	9.69	8.07
2	2	2	1	1	9	46910	85.55	61.18	33.94	19.21	12.32	9.57	7.95
2	2	2	1	2	9	47130	84.33	60.47	34.02	19.25	12.36	9.61	7.99
2	2	2	1	3	9	47020	84.17	60.51	34.17	19.29	12.32	9.69	8.03
2	2	2	2	1	7	23380	46.46	32.76	17.24	9.02	5.63	4.37	3.66
2	2	2	2	2	7	23310	46.42	32.68	17.28	8.98	5.71	4.57	3.66
2	2	2	2	3	7	22990	45.91	32.60	17.20	9.06	5.67	4.37	3.66
2	2	3	1	1	7	23490	46.89	33.54	17.28	8.94	5.71	4.45	3.62
2	2	3	1	2	7	23240	46.34	33.15	17.20	8.94	5.71	4.49	3.66
2	2	3	1	3	7	23380	46.22	33.07	17.20	8.98	5.71	4.45	3.66
2	2	3	3	1	9	46800	89.21	64.33	35.20	19.57	12.40	9.69	7.95
2	2	3	3	2	9	47060	78.74	62.40	34.88	19.61	12.40	9.53	8.07
2	2	3	3	3	9	47130	85.71	62.40	34.96	19.61	12.40	9.53	8.07
3	1	1	11	1	1	1000	1.08	.81	.53	.34	.27		
3	1	1	11	2	1	1000	1.08	.80	.53	.34	.27		
3	1	1	11	3	1	1000	1.08	.80	.53	.34	.27		
3	1	2	9	1	1	1000	1.11	.82	.54	.34	.26		
3	1	2	9	2	1	1000	1.13	.84	.54	.34	.27		
3	1	2	9	3	1	1000	1.12	.84	.54	.35	.27		
3	1	3	9	1	1	1000	1.11	.84	.54	.34	.27		
3	1	3	9	2	1	1000	1.11	.84	.55	.34	.27		
3	1	3	9	3	1	1000	1.11	.83	.54	.34	.27		

4	1	1	2	1	4	9502	20.91	12.44	6.02	3.23	2.20	1.73	1.54
4	1	1	2	2	4	9629	20.55	12.20	5.87	3.19	2.17	1.65	1.46
4	1	1	2	3	4	9613	20.39	12.17	5.87	3.19	2.13	1.65	1.46
4	1	1	13	1	5	14460	32.20	19.13	9.57	5.20	3.39	2.64	2.24
4	1	1	13	2	5	14492	31.06	18.70	9.41	5.16	3.35	2.52	2.32
4	1	1	13	3	5	14460	30.67	18.62	9.33	5.08	3.31	2.44	2.20
4	1	2	2	1	5	14412	33.35	20.24	10.51	5.71	3.50	2.64	2.24
4	1	2	2	2	5	14539	31.26	19.25	10.20	5.55	3.50	2.56	2.20
4	1	2	2	3	5	14539	30.87	19.17	10.20	5.59	3.58	2.64	2.32
4	1	2	5	1	4	9470	20.98	12.44	6.02	3.15	2.13	1.73	1.54
4	1	2	5	2	4	9566	20.63	12.32	5.98	3.19	2.20	1.77	1.54
4	1	2	5	3	4	9534	20.47	12.28	5.98	3.23	2.28	1.81	1.57
4	1	3	6	1	4	9645	21.97	13.50	6.50	3.46	2.20	1.77	1.50
4	1	3	6	2	4	9550	20.91	12.91	6.30	3.27	2.20	1.69	1.54
4	1	3	6	3	4	9550	20.75	12.80	6.30	3.31	2.24	1.77	1.61
4	1	3	19	1	5	14492	33.50	20.94	10.63	5.51	3.43	2.64	2.24
4	1	3	19	2	5	14555	31.77	20.12	10.31	5.47	3.46	2.60	2.36
4	1	3	19	3	5	14492	31.30	19.80	10.20	5.43	3.43	2.60	2.32
4	2	1	3	1	7	24423	53.15	33.94	17.40	9.29	5.94	4.53	4.21
4	2	1	3	2	7	24582	52.17	33.19	17.13	9.21	6.02	4.25	4.65
4	2	1	3	3	7	24630	51.89	32.68	16.77	9.02	5.83	4.17	4.53
4	2	2	3	1	7	24471	53.54	33.82	17.36	9.25	5.91	4.61	3.94
4	2	2	3	2	7	24693	52.56	33.19	17.13	9.21	5.91	4.45	4.25
4	2	2	3	3	7	24534	52.28	32.76	16.89	9.09	5.83	4.33	4.06
4	2	3	2	1	7	24614	51.50	32.17	16.81	9.06	5.98	4.33	3.90
4	2	3	2	2	7	24693	49.76	31.10	16.57	9.17	5.98	4.53	3.86
4	2	3	2	3	7	24677	49.37	30.91	16.42	9.06	5.91	4.49	3.82
5	1	1	8	1	3	6950	8.50	3.90	2.10	1.50			
5	1	1	8	2	3	6950	8.50	4.00	2.10	1.50			
5	1	1	8	3	3	6910	8.40	3.90	2.10	1.50			
5	1	1	10	1	2	5100	6.00	3.00	1.70	1.20			
5	1	1	10	2	2	5140	6.00	3.00	1.80	1.30			
5	1	1	10	3	2	5100	6.00	3.00	1.70	1.30			
5	1	1	10	4	2	5090	6.00	3.00	1.80	1.20			
5	1	1	14	1	1	1090	1.00	.50	.30	.20			
5	1	1	14	2	1	1100	1.00	.50	.30	.20			
5	1	1	14	3	1	1100	1.00	.50	.30	.20			
5	1	1	14	4	1	1080	1.00	.50	.30	.20			
5	1	2	6	1	2	5030	6.00	3.00	1.70	1.30			
5	1	2	6	2	2	5080	6.10	3.10	1.70	1.20			
5	1	2	6	3	2	5020	6.10	3.20	1.70	1.20			
5	1	2	6	4	2	5020	6.10	3.10	1.70	1.20			
5	1	2	12	1	3	6890	9.30	4.70	2.60	1.80			
5	1	2	12	2	3	6960	9.40	4.70	2.60	1.70			
5	1	2	12	3	3	6900	9.30	4.80	2.50	1.80			
5	1	2	12	4	3	6860	9.30	4.70	2.60	1.70			
5	1	2	13	1	1	970	.90	.40	.30	.20			
5	1	2	13	2	1	950	.90	.40	.30	.20			
5	1	2	13	3	1	1030	1.00	.50	.30	.20			
5	1	2	13	4	1	1000	.90	.40	.30	.20			
5	1	3	10	1	1	940	.80	.40	.30	.20			
5	1	3	10	2	1	920	.80	.40	.30	.20			
5	1	3	10	3	1	960	.80	.40	.20	.20			
5	1	3	10	4	1	950	.80	.40	.20	.20			

5	1	3	11	1	2	5020	5.70	2.90	1.60	1.10	
5	1	3	11	2	2	5020	5.60	2.90	1.60	1.10	
5	1	3	11	3	2	5010	5.60	2.90	1.50	1.00	
5	1	3	11	4	2	4990	5.60	2.90	1.60	1.10	
5	1	3	17	1	3	6870	9.20	4.60	2.50	1.90	
5	1	3	17	2	3	6910	9.40	4.60	2.40	1.70	
5	1	3	17	3	3	6960	9.40	4.60	2.50	1.70	
5	1	3	17	4	3	6980	9.50	4.60	2.50	1.70	
6	1	1	3	1	1	1054	.74	.67	.36	.30	.24
6	1	1	3	2	1	1079	.75	.66	.37	.30	.24
6	1	1	3	3	1	1035	.73	.65	.36	.30	.24
6	1	1	7	1	2	5012	5.18	4.36	2.27	1.62	1.34
6	1	1	7	2	2	5036	5.20	4.37	2.27	1.63	1.33
6	1	1	7	3	2	5089	5.23	4.41	2.29	1.64	1.34
6	1	1	15	1	5	14255	18.52	15.74	7.63	4.96	3.92
6	1	1	15	2	5	14328	18.88	16.05	7.69	4.50	3.94
6	1	1	15	3	5	14289	18.92	16.10	7.67	4.97	3.94
6	1	1	17	1	4	10363	12.71	11.18	.00	.00	.00
6	1	1	17	2	4	10368	12.72	11.22	.00	.00	.00
6	1	1	17	3	4	10385	12.68	11.17	.00	.00	.00
6	1	1	18	1	3	7032	8.06	7.19	3.31	2.29	1.87
6	1	1	18	2	3	7073	8.09	7.22	3.33	2.31	1.88
6	1	1	18	3	3	7070	8.00	7.14	3.31	2.29	1.86
6	1	2	1	1	1	975	.66	.55	.32	.27	.22
6	1	2	1	2	1	970	.66	.56	.32	.27	.22
6	1	2	1	3	1	1019	.70	.61	.34	.28	.23
6	1	2	10	1	5	13891	18.28	15.35	7.27	4.83	3.85
6	1	2	10	2	5	14036	18.58	15.58	7.34	4.87	3.88
6	1	2	10	3	5	14065	18.62	15.64	7.33	4.86	3.87
6	1	2	14	1	4	10125	12.40	10.39	4.89	3.35	2.69
6	1	2	14	2	4	9946	12.15	10.19	4.79	3.30	2.65
6	1	2	14	3	4	9918	12.07	10.12	4.76	3.27	2.63
6	1	2	18	1	3	7030	7.84	6.84	3.84	2.37	1.92
6	1	2	18	2	3	7058	7.90	6.91	3.41	2.38	1.90
6	1	2	18	3	3	7044	7.87	6.88	3.39	2.38	1.91
6	1	2	19	1	2	5161	5.53	4.79	2.40	1.70	1.37
6	1	2	19	2	2	5021	5.37	4.65	2.33	1.65	1.37
6	1	2	19	3	2	5170	5.48	4.74	2.40	1.69	1.37
6	1	3	2	1	3	7076	7.90	6.87	3.26	2.36	1.90
6	1	3	2	2	3	6989	7.77	6.79	3.21	2.32	1.87
6	1	3	2	3	3	7073	7.81	6.82	6.23	2.34	1.88
6	1	3	5	1	5	14055	18.48	16.37	7.67	4.89	3.84
6	1	3	5	2	5	14213	18.79	16.70	7.74	4.94	3.88
6	1	3	5	3	5	14255	18.75	16.66	7.69	4.91	3.86
6	1	3	14	1	2	5116	5.43	4.70	2.41	1.71	1.39
6	1	3	14	2	2	5145	5.34	4.63	2.37	1.68	1.36
6	1	3	14	3	2	5422	5.76	4.99	2.55	1.80	1.46
6	1	3	15	1	4	10013	12.06	10.32	4.96	3.36	2.71
6	1	3	15	2	4	10036	12.02	10.31	4.95	3.35	2.70
6	1	3	15	3	4	10070	12.02	10.30	4.94	3.36	2.70
6	1	3	18	1	1	1043	.76	.64	.37	.31	.25
6	1	3	18	2	1	1017	.71	.60	.35	.29	.24
6	1	3	18	3	1	1045	.73	.61	.36	.30	.24
7	1	1	6	1	5	14625	31.60	19.40	9.90	5.10	3.30 2.60

7	1	1	6	2	5	14625	30.10	18.90	9.70	5.00	3.20	2.60
7	1	1	6	3	5	14625	29.80	18.90	9.80	5.00	3.30	2.60
7	1	1	16	1	4	9681	25.40	15.50	7.60	3.70	2.40	1.90
7	1	1	16	2	4	9681	21.70	13.30	6.50	3.30	2.20	1.80
7	1	1	16	3	4	9681	21.20	13.10	6.50	3.30	2.20	1.70
7	1	2	7	1	5	14831	34.40	20.70	10.40	5.20	3.30	2.70
7	1	2	7	2	5	14831	31.50	19.40	9.80	5.00	3.30	2.60
7	1	2	7	3	5	14831	30.70	19.30	9.80	4.90	3.30	2.60
7	1	2	11	1	4	10093	26.10	15.80	7.90	3.80	2.40	1.90
7	1	2	11	2	4	10093	22.00	13.60	6.80	3.40	2.30	1.70
7	1	2	11	3	4	10093	21.30	13.30	6.60	3.40	2.20	1.70
7	1	3	7	1	5	14625	36.90	21.90	11.60	5.90	3.60	2.80
7	1	3	7	2	5	14625	32.60	20.40	11.00	5.70	3.50	2.80
7	1	3	7	3	5	14625	31.70	20.10	10.90	5.60	3.50	2.80
7	1	3	8	1	4	10093	23.00	13.70	7.10	3.70	2.20	1.80
7	1	3	8	2	4	10093	21.50	13.30	6.90	3.50	2.20	1.80
7	1	3	8	3	4	10093	21.10	13.10	6.80	3.50	2.20	1.70
7	2	1	4	1	6	19156	43.80	26.50	13.30	6.70	4.40	3.60
7	2	1	4	2	6	19156	40.10	24.90	12.60	6.40	4.30	3.50
7	2	1	4	3	6	19156	39.40	24.60	12.60	6.40	4.30	3.50
7	2	2	4	1	6	19156	43.20	27.60	14.80	7.40	4.60	3.70
7	2	2	4	2	6	19156	40.50	26.40	14.30	7.10	4.50	3.60
7	2	2	4	3	6	19156	39.80	26.10	14.10	7.00	4.50	3.60
7	2	3	4	1	6	19156	43.50	27.00	13.70	6.70	4.40	3.60
7	2	3	4	2	6	19156	40.40	25.40	13.00	6.30	4.30	3.50
7	2	3	4	3	6	19156	40.00	25.40	12.90	6.30	4.30	3.50

APPENDIX F: PERFORMANCE TEST DATA

PERFORMANCE TEST DATA

DEVICE	TEST NO.	TARGET LOAD	LOAD LB	DEFLECTION, MILS						
				D0	D1	D2	D3	D4	D5	D6
SITE 1										
1	16	2	5092	.82	1.02	1.06	.74	.98	.74	.62
1	16	2	5187	1.45	1.29	1.22	1.02	.82	1.14	1.06
1	16	4	10278	2.24	2.08	1.96	1.92	1.85	1.77	1.57
1	16	5	14295	2.75	2.55	2.51	2.48	2.24	2.16	2.08
1	15	2	5116	1.53	1.41	1.37	1.10	.82	1.25	.94
1	15	2	5203	1.45	1.29	1.29	1.14	1.06	1.14	1.06
1	15	4	10273	2.44	2.28	2.16	2.04	1.96	1.77	1.77
1	15	5	14348	2.75	2.75	2.71	2.63	2.36	2.36	2.28
1	14	2	5080	1.45	1.22	.98	.94	.94	1.06	.94
1	14	2	5139	1.25	1.10	1.18	1.02	.94	.82	.86
1	14	4	10213	2.36	2.08	1.96	1.88	1.85	1.85	1.77
1	14	5	14342	3.07	2.55	2.48	2.55	2.36	2.24	2.28
1	13	2	5065	1.25	1.29	1.10	1.02	1.06	1.25	1.06
1	13	2	5130	1.25	1.29	1.18	1.02	.94	.94	.86
1	13	4	10237	2.24	2.00	1.96	1.85	1.85	1.85	1.77
1	13	5	14567	2.59	2.55	2.44	2.32	2.24	2.24	2.28
1	8	2	5074	1.45	1.41	1.33	1.02	.98	1.25	.94
1	8	2	5125	1.41	1.41	1.37	1.14	1.06	1.18	.94
1	8	4	10326	2.24	2.08	2.04	1.92	2.00	1.77	1.65
1	8	5	14720	2.87	2.87	2.71	2.75	2.55	2.36	2.36
1	7	2	5069	1.53	1.29	1.18	1.02	.98	1.14	.86
1	7	2	5107	1.53	1.22	1.18	1.02	1.06	1.10	.94
1	7	4	10267	2.44	2.00	2.04	1.92	1.85	1.96	1.77
1	7	5	14612	2.95	2.87	2.71	2.55	2.55	2.44	2.16
1	6	2	5077	1.53	1.29	1.37	1.14	1.06	1.33	.94
1	6	2	5175	1.65	1.22	1.02	1.14	1.14	1.25	.94
1	6	4	10343	2.59	2.08	2.04	1.92	1.96	1.96	1.77
1	6	5	14791	3.07	2.75	2.71	2.55	2.55	2.44	2.16
1	5	2	5059	1.25	1.22	1.10	.94	1.06	1.06	.94
1	5	2	5125	1.33	1.29	1.37	1.22	1.06	1.14	1.14
1	5	4	10314	2.67	2.08	2.04	2.04	1.96	1.85	1.77
1	5	5	14720	2.95	2.75	2.71	2.63	2.55	2.24	2.28
1	4	2	5039	1.33	1.29	1.29	1.02	1.06	1.25	1.06
1	4	2	5142	1.53	1.22	1.29	1.02	1.06	1.25	.86
1	4	4	10272	2.24	2.08	1.96	2.04	1.96	2.04	1.77
1	4	5	14809	2.87	2.87	2.71	2.75	2.59	2.55	2.16
1	3	2	5033	1.45	1.29	1.18	1.14	1.06	.94	.94
1	3	2	5113	1.45	1.41	1.29	1.02	1.06	1.14	.94
1	3	4	10349	2.44	2.08	2.04	2.12	1.96	2.04	1.77
1	3	5	14878	2.95	2.87	2.71	2.67	2.55	2.44	2.28
1	2	2	5034	1.45	1.41	1.37	1.14	1.14	1.25	.94
1	2	2	5092	1.53	1.29	1.33	1.22	1.25	1.14	1.06
1	2	4	10337	2.75	2.28	2.24	2.24	2.16	2.16	1.85
1	2	5	14883	3.38	3.14	3.03	2.95	2.87	2.67	2.48
1	1	2	5048	1.61	1.41	1.22	1.02	1.06	1.25	1.06
1	1	2	5095	1.65	1.45	1.49	1.22	.94	1.25	1.06
1	1	4	10284	2.55	2.28	2.24	2.24	2.00	1.96	1.85

1	1	5	14835	3.14	3.07	2.83	2.95	2.67	2.59	2.48
1	12	2	5074	1.33	1.22	1.18	1.02	.82	1.14	1.06
1	12	2	5119	1.25	1.29	1.29	1.10	.94	1.14	1.06
1	12	4	10296	2.04	2.08	2.04	1.92	1.85	1.77	1.65
1	12	5	14903	2.75	2.55	2.63	2.48	2.44	2.44	2.16
1	11	2	5054	1.53	1.41	1.29	1.02	.98	1.14	1.14
1	11	2	5110	1.14	1.22	1.18	1.02	1.06	.94	.94
1	11	4	10272	2.04	2.20	2.16	2.04	1.81	1.77	1.77
1	11	5	14862	2.87	2.55	2.63	2.63	2.44	2.44	2.08
1	10	2	5021	1.45	1.29	1.29	1.14	.94	1.14	1.06
1	10	2	5074	1.53	1.29	1.14	1.14	.94	1.06	1.14
1	10	4	10284	2.44	1.88	2.00	1.92	1.96	1.85	1.65
1	10	5	14880	2.87	2.67	2.71	2.55	2.36	2.36	2.28
1	9	2	5030	1.33	1.22	1.06	1.02	.94	1.06	1.06
1	9	2	5083	1.45	1.29	1.18	.94	.94	1.06	.94
1	9	4	10346	2.36	2.20	2.08	1.92	1.96	2.00	1.57
1	9	5	15048	3.03	2.67	2.71	2.55	2.44	2.24	2.28
2	1	5	18580	3.27	3.03	2.87	2.60	2.44	2.17	1.97
2	1	5	17910	3.35	3.03	2.87	2.64	2.44	2.17	1.97
2	1	7	25540	4.65	4.29	4.06	3.74	3.43	3.07	2.72
2	1	8	38950	7.17	6.69	6.30	5.79	5.28	4.80	4.29
2	1	9	50880	8.90	8.46	7.91	7.28	6.61	6.06	5.35
2	2	5	18010	3.43	3.03	2.87	2.64	2.44	2.24	2.01
2	2	5	17770	3.58	3.03	2.91	2.68	2.44	2.24	2.01
2	2	7	25950	4.49	4.37	4.09	3.82	3.50	3.11	2.76
2	2	8	38930	7.01	6.69	6.34	5.79	5.35	4.88	4.37
2	2	9	50680	8.78	8.43	7.99	7.20	6.73	6.14	5.47
2	3	5	16670	3.98	2.87	2.80	2.56	2.44	1.97	2.05
2	3	5	16880	3.98	2.91	2.80	2.60	2.52	1.93	2.13
2	3	7	24980	4.84	4.21	3.94	3.66	3.27	3.19	2.64
2	3	8	39170	6.85	6.65	6.30	5.79	5.28	4.80	4.29
2	3	9	51230	8.90	8.43	7.87	7.24	6.61	6.06	5.39
2	4	5	17780	3.35	2.83	2.01	2.48	2.28	2.09	2.28
2	4	5	17290	4.02	2.80	2.80	2.36	2.20	2.17	1.85
2	4	7	25410	4.45	4.17	3.98	3.70	3.35	2.99	2.76
2	4	8	39300	6.89	6.54	6.18	5.71	5.28	4.72	4.37
2	4	9	51270	8.66	8.23	7.83	7.20	6.61	6.14	5.39
2	5	5	18230	3.03	2.87	2.72	2.48	2.24	2.09	1.93
2	5	5	17660	3.50	2.83	2.72	2.48	2.28	2.09	1.93
2	5	7	25190	4.37	4.09	3.90	3.54	3.23	2.91	2.68
2	5	8	39110	6.65	6.38	5.94	5.51	5.12	4.65	4.21
2	5	9	50850	8.43	8.03	7.56	6.97	6.42	5.87	5.31
2	6	5	17810	2.68	2.87	2.76	2.52	2.32	2.17	1.97
2	6	5	17510	2.76	2.91	2.76	2.56	2.36	2.13	1.97
2	6	7	24950	4.21	4.17	3.94	3.62	3.31	2.99	2.68
2	6	8	38840	6.77	6.50	6.10	5.71	5.24	4.69	4.25
2	6	9	50520	8.50	8.19	7.76	7.20	6.54	5.98	5.39
2	7	5	17150	3.11	2.91	2.76	2.56	2.36	2.13	1.93
2	7	5	16640	3.03	2.87	2.76	2.56	2.48	2.09	1.93
2	7	7	24280	4.57	4.17	3.98	3.66	3.23	2.95	2.72
2	7	8	38360	6.81	6.46	6.10	5.71	5.20	4.72	4.29
2	7	9	50650	8.62	8.19	7.80	7.17	6.57	6.02	5.39
2	8	5	17670	3.27	2.95	2.83	2.60	2.36	2.13	1.93
2	8	5	17400	3.31	2.95	2.83	2.60	2.36	2.17	1.97

2	8	7	24810	4.33	4.29	4.06	3.62	3.39	2.99	2.72
2	8	8	38660	6.61	6.61	6.34	5.63	5.16	4.80	4.25
2	8	9	50390	8.43	8.39	7.87	7.20	6.54	6.06	5.35
2	9	5	17540	2.87	2.80	2.60	2.56	2.56	1.89	1.85
2	9	5	16990	3.15	2.80	2.56	2.44	2.24	2.20	1.93
2	9	7	24700	4.13	4.06	3.78	3.66	3.35	2.87	2.60
2	9	8	38650	6.38	6.34	5.98	5.31	4.96	4.76	4.29
2	9	9	50710	8.07	8.07	7.60	7.01	6.34	6.02	5.39
2	10	5	17460	3.27	2.80	2.64	2.40	2.24	2.05	1.89
2	10	5	16500	3.31	2.80	2.64	2.44	2.28	2.05	1.85
2	10	7	24550	4.17	4.02	3.74	3.46	3.15	2.87	2.64
2	10	8	38390	6.65	6.26	5.91	5.43	5.00	4.53	4.09
2	10	9	50460	8.31	7.87	7.52	6.89	6.26	5.75	5.12
2	11	5	17660	3.43	2.72	2.64	2.52	2.36	1.46	2.05
2	11	5	17700	3.35	2.72	2.64	2.48	2.32	1.57	1.97
2	11	7	25140	3.94	3.90	3.74	3.31	3.03	3.19	2.56
2	11	8	38710	6.57	6.26	5.91	5.39	4.96	4.49	4.06
2	11	9	50360	8.27	7.95	7.40	6.85	6.18	5.79	5.04
2	12	5	17780	2.99	2.76	2.60	2.44	2.24	2.05	1.93
2	12	5	17210	3.15	2.76	2.64	2.36	2.17	2.05	1.85
2	12	7	24730	3.98	3.98	3.78	3.43	3.15	2.76	2.52
2	12	8	39250	6.61	6.26	5.91	5.39	4.96	4.57	4.13
2	12	9	51230	8.58	7.91	7.40	6.81	6.26	5.71	5.16
2	13	5	17880	3.39	2.76	2.60	2.40	2.20	2.09	1.93
2	13	5	17070	3.58	2.76	2.56	2.40	2.24	2.05	1.85
2	13	7	25000	3.62	3.90	3.66	3.43	3.15	2.83	2.60
2	13	8	39080	6.18	6.10	5.83	5.31	4.88	4.49	4.09
2	13	9	50820	7.76	7.76	7.32	6.77	6.18	5.71	5.16
2	14	5	17460	2.60	2.76	2.64	2.44	2.28	2.05	1.89
2	14	5	17190	2.64	2.83	2.72	2.48	2.28	2.05	1.89
2	14	7	24470	4.53	4.02	3.74	3.50	3.19	2.91	2.64
2	14	8	38680	6.46	6.26	5.94	5.43	5.00	4.61	4.17
2	14	9	50710	8.39	7.95	7.48	6.93	6.30	5.79	5.24
2	15	5	17540	3.54	2.99	2.64	2.64	2.60	1.93	1.46
2	15	5	17390	3.66	2.99	2.83	2.60	2.36	2.24	2.05
2	15	7	24760	4.13	4.29	4.09	3.70	3.31	3.11	2.80
2	15	8	39010	6.69	6.65	6.34	5.79	5.24	4.80	4.41
2	15	9	50730	8.82	8.39	7.87	7.24	6.61	6.02	5.35
2	16	5	18470	3.23	2.80	2.64	2.44	2.24	2.09	1.89
2	16	5	18150	3.15	2.87	2.72	2.48	2.28	2.09	1.93
2	16	7	24870	3.82	4.02	3.74	3.46	3.11	2.83	2.60
2	16	8	39350	6.54	6.30	5.87	5.39	4.92	4.49	4.06
2	16	9	50980	7.83	8.27	7.48	6.85	6.18	5.67	5.08
3	1	1	1000	.21	.20	.21	.18	.19		
3	2	1	1000	.21	.21	.22	.19	.19		
3	3	1	1000	.22	.22	.22	.19	.20		
3	4	1	1000	.21	.21	.22	.19	.19		
3	5	1	1000	.21	.21	.21	.18	.19		
3	6	1	1000	.21	.20	.21	.18	.19		
3	7	1	1000	.20	.20	.21	.18	.18		
3	8	1	1000	.21	.21	.22	.19	.19		
3	9	1	1000	.21	.20	.21	.18	.19		
3	10	1	1000	.21	.21	.21	.18	.19		
3	11	1	1000	.21	.20	.21	.18	.19		

3	12	1	1000	.20	.20	.21	.18	.18		
3	13	1	1000	.21	.20	.21	.18	.18		
3	14	1	1000	.21	.20	.21	.18	.19		
3	15	1	1000	.22	.21	.22	.18	.19		
3	16	1	1000	.21	.20	.21	.18	.18		
4	1	4	9788	1.69	1.57	1.61	1.34	1.46	1.18	1.22
4	1	4	9756	1.73	1.65	1.57	1.30	1.26	1.06	1.06
4	1	5	14698	2.60	2.48	2.44	2.13	2.17	1.81	1.85
4	1	7	25170	4.06	3.74	3.62	2.99	3.15	2.44	2.80
4	2	4	9661	1.61	1.50	1.54	1.34	1.30	1.18	1.18
4	2	4	9661	1.57	1.50	1.54	1.30	1.30	1.14	1.18
4	2	5	14619	2.44	2.24	2.32	1.93	1.97	1.69	1.85
4	2	7	25074	4.21	3.74	3.86	3.19	3.31	2.76	3.15
4	3	4	9677	1.65	1.69	1.61	1.42	1.54	1.30	1.30
4	3	4	9629	1.61	1.57	1.54	1.38	1.42	1.22	1.22
4	3	5	14635	2.52	2.44	2.32	2.13	2.24	1.85	1.97
4	3	7	25345	4.13	3.86	3.78	3.43	3.82	2.91	3.35
4	4	4	9709	1.57	1.50	1.57	1.34	1.30	1.14	1.14
4	4	4	9741	1.61	1.50	1.61	1.38	1.38	1.18	1.18
4	4	5	14555	2.48	2.28	2.32	2.01	2.01	1.69	1.73
4	4	7	25329	4.02	3.50	3.82	3.31	3.15	2.83	2.80
4	5	4	9820	1.65	1.54	1.57	1.34	1.34	1.22	1.14
4	5	4	9820	1.57	1.46	1.54	1.30	1.30	1.14	1.14
4	5	5	14555	2.48	2.32	2.24	1.93	2.01	1.69	1.81
4	5	7	25392	3.94	3.58	3.70	3.11	3.27	2.68	3.03
4	6	4	9677	1.54	1.46	1.54	1.30	1.34	1.10	1.18
4	6	4	9677	1.61	1.54	1.57	1.34	1.34	1.10	1.14
4	6	5	14635	2.44	2.28	2.32	2.01	2.01	1.69	1.81
4	6	7	25424	3.86	3.54	3.70	3.15	3.31	2.80	3.35
4	7	4	9661	1.61	1.42	1.50	1.30	1.30	1.10	1.14
4	7	4	9613	1.61	1.46	1.57	1.34	1.34	1.14	1.18
4	7	5	14635	2.40	2.17	2.28	2.01	2.01	1.65	1.81
4	7	7	25567	4.02	3.58	3.62	3.27	3.27	2.68	2.95
4	8	4	9741	1.65	1.50	1.50	1.34	1.30	1.14	1.14
4	8	4	9725	1.69	1.54	1.54	1.38	1.34	1.18	1.18
4	8	5	14682	2.48	2.28	2.24	2.01	1.93	1.69	1.73
4	8	7	25678	4.13	3.58	3.62	3.19	3.15	2.60	2.95
4	9	4	9725	1.65	1.54	1.50	1.38	1.26	1.18	1.10
4	9	4	9693	1.65	1.54	1.54	1.38	1.30	1.22	1.18
4	9	5	14682	2.48	2.24	2.24	1.97	1.93	1.77	1.85
4	9	7	25535	4.09	3.58	3.70	3.19	3.11	2.95	3.23
4	10	4	9677	1.61	1.46	1.46	1.30	1.26	1.14	1.06
4	10	4	9582	1.69	1.54	1.54	1.34	1.34	1.18	1.18
4	10	5	14651	2.48	2.28	2.24	2.01	1.97	1.73	1.65
4	10	7	25488	4.09	3.46	3.54	3.11	3.31	2.72	2.99
4	11	4	9741	1.69	1.65	1.38	1.46	1.46	1.10	1.14
4	11	4	9629	1.69	1.57	1.30	1.46	1.54	1.10	1.42
4	11	5	14539	2.48	2.20	2.32	1.81	1.81	1.65	1.69
4	11	7	25281	4.21	3.70	3.66	3.15	3.27	2.64	3.15
4	12	4	9677	1.54	1.77	1.46	1.22	1.34	1.14	1.14
4	12	4	9582	1.54	1.42	1.46	1.22	1.30	1.18	1.22
4	12	5	14539	2.44	2.24	2.20	1.93	1.97	1.77	1.73
4	12	7	25122	4.13	3.70	3.58	3.07	3.27	2.91	3.35
4	13	4	9598	1.57	1.54	1.50	1.34	1.38	1.14	1.18

4	13	4	9534	1.54	1.50	1.46	1.26	1.30	1.14	1.22
4	13	5	14571	2.36	2.17	2.09	1.85	2.01	1.69	1.93
4	13	7	25376	4.02	3.58	3.43	3.07	3.35	2.76	3.31
4	14	4	9693	1.57	1.50	1.50	1.30	1.34	1.14	1.14
4	14	4	9629	1.54	1.50	1.50	1.34	1.30	1.14	1.14
4	14	5	14619	2.40	2.28	2.17	1.97	1.97	1.69	1.69
4	14	7	25567	4.13	3.58	3.82	3.27	3.46	2.87	3.11
4	15	4	9645	1.69	1.65	1.57	1.42	1.34	1.22	1.10
4	15	4	9645	1.73	1.73	1.65	1.46	1.42	1.26	1.22
4	15	5	14698	2.60	2.52	2.40	2.17	2.13	1.85	1.85
4	15	7	25503	4.29	4.06	3.90	3.43	3.50	2.68	3.27
4	16	4	9788	1.69	1.50	1.57	1.42	1.30	1.18	1.14
4	16	4	9677	1.73	1.54	1.65	1.34	1.42	1.26	1.22
4	16	5	14587	2.56	2.28	2.36	1.89	2.01	1.81	1.81
4	16	7	25567	4.21	3.66	3.86	2.99	3.31	2.95	3.11
5	8	2	4990	.90	.50	.60	.50			
5	8	2	4920	.90	.50	.60	.50			
5	8	2	5020	.90	.50	.60	.50			
5	8	3	6820	1.20	.70	.80	.70			
5	8	3	6800	1.30	.70	.80	.60			
5	8	3	6750	1.20	.70	.80	.60			
5	7	2	4940	.80	.50	.60	.50			
5	7	2	4880	.80	.50	.60	.50			
5	7	2	4880	.80	.50	.60	.50			
5	7	3	6810	1.10	.70	.80	.70			
5	7	3	6710	1.10	.70	.80	.70			
5	7	3	6850	1.10	.70	.80	.70			
5	6	2	4890	.80	.50	.60	.50			
5	6	2	4920	.70	.40	.60	.40			
5	6	2	4840	.80	.50	.60	.50			
5	6	3	6820	1.00	.70	.80	.70			
5	6	3	6810	1.00	.70	.80	.70			
5	6	3	6850	1.00	.70	.80	.70			
5	5	2	5020	.70	.50	.60	.40			
5	5	2	4900	.70	.50	.60	.40			
5	5	2	4970	.70	.50	.60	.50			
5	5	3	6890	.90	.70	.80	.60			
5	5	3	6790	.90	.70	.80	.60			
5	5	3	6700	1.00	.70	.80	.60			
5	4	2	4950	1.00	.50	.60	.50			
5	4	2	4940	1.00	.50	.60	.50			
5	4	2	4970	1.00	.50	.60	.50			
5	4	3	6880	1.40	.70	.80	.60			
5	4	3	6760	1.40	.70	.80	.70			
5	4	3	6750	1.40	.70	.80	.70			
5	3	2	4950	.80	.50	.60	.50			
5	3	2	5070	.80	.50	.60	.50			
5	3	2	4980	.80	.50	.60	.50			
5	3	3	6740	1.10	.70	.80	.60			
5	3	3	6760	1.10	.70	.80	.60			
5	3	3	6900	1.10	.70	.80	.60			
5	2	2	4960	.90	.50	.60	.40			
5	2	2	4980	.90	.50	.60	.50			
5	2	2	4930	.90	.50	.60	.50			

5	2	3	6890	1.20	.70	.80	.60
5	2	3	6790	1.20	.70	.80	.60
5	2	3	6780	1.20	.70	.80	.60
5	1	2	4960	.80	.50	.60	.50
5	1	2	4870	.90	.50	.60	.50
5	1	2	4940	.90	.50	.60	.50
5	1	3	6820	1.20	.70	.80	.60
5	1	3	6750	1.20	.70	.80	.60
5	1	3	6810	1.20	.70	.80	.60
5	16	2	4890	.70	.40	.50	.40
5	16	2	4930	.70	.40	.50	.40
5	16	2	5020	.70	.40	.50	.40
5	16	3	6810	1.00	.60	.70	.60
5	16	3	6790	1.00	.60	.70	.60
5	16	3	6830	1.00	.60	.70	.60
5	15	2	5050	.70	.50	.60	.50
5	15	2	5010	.70	.50	.60	.50
5	15	2	5060	.70	.50	.60	.50
5	15	3	6780	1.00	.70	.80	.60
5	15	3	6850	1.00	.70	.80	.60
5	15	3	6740	.90	.70	.80	.60
5	14	2	4950	.90	.50	.60	.40
5	14	2	4990	.90	.50	.50	.40
5	14	2	5000	.90	.50	.60	.40
5	14	3	6760	1.10	.70	.70	.60
5	14	3	6790	1.20	.60	.80	.60
5	14	3	6810	1.20	.70	.80	.60
5	13	2	4990	.70	.50	.50	.40
5	13	2	4970	.70	.50	.50	.40
5	13	2	5000	.70	.50	.60	.40
5	13	3	6880	1.00	.70	.70	.60
5	13	3	6800	1.00	.60	.70	.60
5	13	3	6820	1.00	.60	.70	.60
5	12	2	5010	1.10	.40	.50	.40
5	12	2	4930	1.20	.50	.60	.40
5	12	2	4850	1.20	.50	.60	.40
5	12	3	6840	1.50	.60	.70	.60
5	12	3	6730	1.50	.60	.70	.60
5	12	3	6760	1.50	.70	.70	.60
5	11	2	4920	.80	.40	.50	.40
5	11	2	4990	.80	.50	.50	.40
5	11	2	4970	.90	.40	.50	.40
5	11	3	6850	1.10	.70	.70	.60
5	11	3	6810	1.10	.70	.70	.60
5	11	3	6810	1.10	.70	.70	.60
5	10	2	4970	1.00	.50	.50	.40
5	10	2	4920	.90	.50	.60	.40
5	10	2	4940	.90	.50	.60	.40
5	10	3	6780	1.40	.70	.70	.60
5	10	3	6900	1.40	.60	.70	.60
5	10	3	6830	1.30	.60	.70	.60
5	9	2	4940	.70	.50	.60	.40
5	9	2	4970	.70	.50	.50	.40
5	9	2	4950	.70	.50	.50	.40

5	9	3	6750	.90	.70	.70	.60	
5	9	3	6790	1.00	.70	.70	.60	
5	9	3	6770	.90	.60	.80	.60	
6	9	4	10047	1.79	1.35	1.25	1.11	1.03
6	9	5	14659	2.53	1.87	1.72	1.55	1.43
6	10	4	9940	1.74	1.30	1.20	1.07	.98
6	10	5	15337	2.51	1.87	1.71	1.54	1.40
6	11	4	10158	1.76	1.37	1.24	1.12	1.00
6	11	5	15193	2.50	1.92	1.73	1.55	1.37
6	12	4	10542	1.83	1.34	1.22	1.08	.97
6	12	5	14759	2.52	1.82	1.65	1.47	1.32
6	13	4	10179	1.80	1.28	1.20	1.08	1.00
6	13	5	14814	2.49	1.76	1.64	1.48	1.37
6	14	4	10416	2.11	1.34	1.22	1.08	.98
6	14	5	14917	2.94	1.86	1.69	1.52	1.38
6	15	4	10739	1.94	1.47	1.34	1.19	1.06
6	15	5	15297	2.70	1.99	1.78	1.58	1.41
6	16	4	9713	1.80	1.26	1.17	1.04	.96
6	16	5	14680	2.57	1.79	1.63	1.46	1.32
6	1	4	10290	1.92	1.54	1.39	1.21	1.08
6	1	5	14806	2.70	2.15	1.92	1.67	1.46
6	2	4	9982	1.90	1.47	1.33	1.16	1.01
6	2	5	14922	2.87	2.25	1.99	1.73	1.48
6	3	4	10419	1.80	1.48	1.35	1.20	1.09
6	3	5	14190	2.40	1.97	1.77	1.56	1.42
6	4	4	10697	2.26	1.49	1.33	1.18	1.05
6	4	5	15353	3.00	2.03	1.80	1.59	1.40
6	5	4	10799	1.90	1.49	1.34	1.19	1.07
6	5	5	15403	2.54	2.04	1.80	1.60	1.44
6	6	4	10229	1.75	1.44	1.33	1.19	1.07
6	6	5	15170	2.49	2.08	1.88	1.69	1.51
6	7	4	10346	1.81	1.48	1.37	1.23	1.11
6	7	5	15030	2.50	2.06	1.88	1.70	1.52
6	8	4	10165	2.05	1.58	1.43	1.26	1.11
6	8	5	15078	2.99	2.30	2.06	1.81	1.57
7	1	5	14419	2.80	2.60	2.30	2.30	2.00 2.00
7	1	5	14419	2.90	2.60	2.20	2.20	2.10 1.90
7	1	5	14419	2.80	2.60	2.20	2.20	2.10 1.90
7	1	6	19568	3.80	3.50	3.20	3.10	2.80 2.60
7	1	6	19568	3.90	3.50	3.10	3.00	2.80 2.50
7	1	6	19568	3.80	3.50	3.10	3.00	2.80 2.60
7	2	5	13904	2.90	2.60	2.40	2.30	2.10 2.00
7	2	5	13904	2.90	2.70	2.30	2.30	2.20 2.00
7	2	5	13904	2.80	2.70	2.30	2.30	2.20 2.00
7	2	6	19362	4.00	3.60	3.30	3.20	2.90 2.70
7	2	6	19362	3.90	3.60	3.30	3.10	2.90 2.60
7	2	6	19362	3.90	3.60	3.30	3.10	2.90 2.60
7	3	5	13801	2.70	2.40	2.10	2.10	1.90 1.90
7	3	5	13801	1.80	1.50	1.10	1.20	1.10 1.00
7	3	5	13801	2.60	2.40	2.00	2.00	1.90 1.80
7	3	6	19362	3.50	3.20	3.00	2.80	2.50 2.40
7	3	6	19362	3.50	3.20	2.90	2.80	2.60 2.40
7	3	6	19362	3.50	3.20	2.90	2.80	2.60 2.30
7	4	5	16272	1.80	1.50	1.20	1.30	1.10 1.00

7	4	5	16272	2.50	2.30	1.90	2.00	1.90	1.80
7	4	5	16272	2.50	2.30	1.90	2.00	1.90	1.70
7	4	6	19774	3.40	3.10	2.80	2.70	2.50	2.40
7	4	6	19774	3.40	3.10	2.80	2.70	2.50	2.30
7	4	6	19774	3.40	3.10	2.80	2.60	2.50	2.30
7	5	5	13595	2.50	2.30	1.90	2.00	1.80	1.70
7	5	5	13595	2.30	2.00	1.60	1.70	1.50	1.30
7	5	5	13595	2.40	2.10	1.70	1.80	1.70	1.50
7	5	6	19362	3.40	3.00	2.80	2.60	2.40	2.30
7	5	6	19362	3.30	3.10	2.70	2.60	2.40	2.20
7	5	6	19362	3.40	3.10	2.70	2.60	2.40	2.20
7	6	5	15243	3.10	2.60	2.30	2.30	2.10	2.00
7	6	5	15243	14.90	2.60	2.30	2.30	2.10	1.90
7	6	5	15243	2.90	2.60	2.30	2.30	2.10	1.90
7	6	6	19774	3.60	3.10	2.90	2.80	2.50	2.40
7	6	6	19774	3.60	3.10	2.80	2.70	2.50	2.30
7	6	6	19774	3.60	3.20	2.80	2.70	2.50	2.30
7	7	5	15037	2.90	2.60	2.30	2.30	2.10	2.00
7	7	5	15037	2.80	2.60	2.20	2.30	2.10	1.90
7	7	5	15037	2.80	2.60	2.20	2.20	2.10	1.90
7	7	6	19156	3.80	3.40	3.20	3.10	2.80	2.80
7	7	6	19156	3.50	3.10	2.80	2.70	2.50	2.30
7	7	6	19156	3.40	3.10	2.80	2.70	2.50	2.30
7	8	5	15655	3.10	2.80	2.50	2.40	2.20	2.10
7	8	5	15655	3.10	2.80	2.40	2.40	2.20	2.00
7	8	5	15655	3.00	2.80	2.40	2.40	2.20	2.00
7	8	6	19362	3.70	3.40	3.10	3.00	2.70	2.60
7	8	6	19362	3.70	3.30	3.00	2.90	2.70	2.40
7	8	6	19362	3.70	3.30	3.00	2.90	2.60	2.40
7	9	5	15037	2.80	2.50	2.20	2.30	2.10	2.00
7	9	5	15037	2.70	2.50	2.10	2.20	2.00	1.90
7	9	5	15037	3.00	2.50	2.10	2.20	2.00	1.90
7	9	6	19156	3.30	3.00	2.70	2.60	2.40	2.40
7	9	6	19156	3.30	3.00	2.60	2.60	2.40	2.20
7	9	6	19156	3.20	3.00	2.60	2.60	2.40	2.20
7	10	5	15243	2.80	2.40	2.10	2.20	2.00	1.90
7	10	5	15243	2.70	2.40	2.00	2.00	1.90	1.80
7	10	5	15243	2.60	2.40	2.00	2.10	1.90	1.80
7	10	6	20083	3.20	2.90	2.60	2.60	2.40	2.20
7	10	6	20083	3.30	3.00	2.60	2.50	2.40	2.20
7	10	6	20083	3.50	3.00	2.60	2.50	2.40	2.10
7	11	5	15243	2.80	2.40	2.10	2.20	2.00	1.90
7	11	5	15243	2.70	2.40	2.00	2.10	2.00	1.80
7	11	5	15243	2.70	2.40	2.00	2.10	2.00	1.80
7	11	6	19156	3.30	2.90	2.60	2.50	2.30	2.20
7	11	6	19156	3.40	2.90	2.60	2.50	2.40	2.10
7	11	6	19126	3.30	2.90	2.60	2.50	2.40	2.20
7	12	5	16066	2.70	2.40	2.10	2.10	2.00	1.90
7	12	5	16066	2.70	2.40	2.10	2.10	2.00	1.80
7	12	5	16066	2.70	2.40	2.00	2.10	2.00	1.80
7	12	6	19671	3.30	2.90	2.60	2.50	2.30	2.20
7	12	6	19671	3.30	3.00	2.60	2.50	2.30	2.20
7	12	6	19671	3.30	3.00	2.60	2.50	2.40	2.20
7	13	5	15140	2.60	2.40	2.10	2.10	1.90	1.90

7	13	5	15140	2.60	2.40	2.00	2.10	1.90	1.80
7	13	5	15140	2.60	2.40	2.00	2.00	1.90	1.80
7	13	6	19568	3.10	2.80	2.40	2.40	2.20	2.10
7	13	6	19568	3.20	2.90	2.50	2.50	2.30	2.20
7	13	6	19568	3.20	2.90	2.50	2.50	2.30	2.10
7	14	5	15346	2.80	2.40	2.10	2.20	2.00	1.90
7	14	5	15346	2.70	2.40	2.10	2.10	2.00	1.90
7	14	5	15346	2.60	2.40	2.00	2.00	2.00	1.80
7	14	6	20186	3.30	2.90	2.60	2.60	2.40	2.30
7	14	6	20186	3.30	3.00	2.60	2.60	2.40	2.20
7	14	6	20186	3.50	3.10	2.80	2.80	2.60	2.40
7	15	5	15552	3.00	2.60	2.40	2.30	2.10	2.00
7	15	5	15552	3.00	2.80	2.40	2.40	2.20	2.00
7	15	5	15552	3.10	2.90	2.50	2.50	2.40	2.20
7	15	6	19671	3.50	3.20	2.90	2.80	2.50	2.40
7	15	6	19671	3.50	3.20	2.80	2.80	2.50	2.30
7	15	6	19671	3.40	3.00	2.60	2.60	2.40	2.20
7	16	5	15346	3.00	2.50	2.20	2.20	2.00	1.90
7	16	5	15346	3.00	2.30	1.90	1.90	1.70	1.60
7	16	5	15346	2.60	2.20	1.80	1.80	1.70	1.50
7	16	6	19568	3.30	3.00	2.70	2.60	2.30	2.20
7	16	6	19568	3.70	3.00	2.60	2.50	2.30	2.10
7	16	6	19568	5.50	3.00	2.60	2.50	2.30	2.10

SITE 2

1	4	2	5137	3.07	2.08	1.88	1.77	1.65	1.53	1.45
1	4	2	5175	2.87	2.00	1.88	1.85	1.77	1.65	1.49
1	4	4	10184	5.07	3.46	3.22	3.18	3.07	2.67	2.36
1	4	5	14112	6.29	4.60	4.48	4.25	4.05	3.58	3.18
1	3	2	5059	3.81	2.20	1.81	1.85	1.85	1.65	1.45
1	3	2	5157	3.38	2.20	1.81	1.85	1.77	1.65	1.45
1	3	4	10207	5.82	3.66	3.54	3.54	3.26	2.87	2.59
1	3	5	14260	7.28	4.80	4.68	4.64	4.48	3.97	3.58
1	2	2	5071	4.05	2.32	2.00	1.92	2.04	1.77	1.57
1	2	2	5133	3.46	2.28	2.00	1.92	2.04	1.77	1.57
1	2	4	10184	6.37	3.93	3.81	3.62	3.66	3.14	2.79
1	2	5	14242	7.59	5.19	5.07	5.03	4.88	4.17	3.70
1	1	2	5048	3.77	2.20	2.08	2.04	1.96	1.77	1.57
1	1	2	5113	3.58	2.28	2.00	2.04	1.96	1.69	1.57
1	1	4	10190	6.10	3.93	3.89	3.62	3.58	3.14	2.87
1	1	5	14283	7.71	5.11	5.07	5.03	4.88	4.29	3.81
1	5	2	5086	4.05	2.20	2.00	2.04	1.85	1.65	1.57
1	5	2	5127	3.97	2.28	2.08	1.92	2.04	1.96	1.57
1	5	4	10184	6.88	3.93	3.85	3.74	3.46	3.14	2.79
1	5	5	14236	8.70	5.31	5.15	4.96	4.76	4.17	3.58
1	6	2	5063	4.05	2.28	2.00	1.92	1.85	1.53	1.45
1	6	2	5130	3.77	2.28	2.00	1.92	1.96	1.77	1.37
1	6	4	10166	7.00	3.93	3.74	3.62	3.38	2.95	2.59
1	6	5	14301	8.81	5.31	5.11	4.80	4.56	4.05	3.50
1	7	2	5071	4.29	2.55	2.28	2.24	1.96	1.85	1.57
1	7	2	5142	3.97	2.48	2.32	2.24	2.04	1.85	1.65
1	7	4	10220	7.08	4.33	4.09	4.05	3.77	3.26	2.99
1	7	5	14443	8.89	5.90	5.74	5.55	5.27	4.56	4.01

1	8	2	5068	3.50	2.20	2.00	2.04	1.96	1.77	1.45
1	8	2	5116	3.46	2.28	2.08	1.92	1.96	1.77	1.37
1	8	4	10207	6.02	3.93	3.81	3.54	3.46	3.14	2.79
1	8	5	14407	7.40	5.19	5.07	4.72	4.56	3.97	3.58
1	9	2	5051	3.77	2.28	2.00	1.92	2.04	1.85	1.57
1	9	2	5113	3.46	2.28	2.08	2.12	1.96	1.65	1.65
1	9	4	10160	6.18	3.85	3.77	3.74	3.58	3.07	2.67
1	9	5	14417	7.71	5.39	5.15	5.15	4.88	4.17	3.81
1	10	2	5036	4.33	2.48	2.08	2.12	1.96	1.65	1.45
1	10	2	5113	4.05	2.44	2.20	2.08	2.04	1.77	1.45
1	10	4	10131	6.81	4.13	3.74	3.74	3.58	3.26	2.79
1	10	5	14372	8.42	5.51	5.15	5.03	4.76	4.17	3.70
1	11	2	5009	5.07	2.20	1.81	1.85	1.77	1.33	1.37
1	11	2	5107	4.48	2.20	1.85	1.85	1.65	1.45	1.45
1	11	4	10137	7.28	3.66	3.22	3.22	3.14	2.87	2.36
1	11	5	14423	8.89	4.92	4.56	4.44	4.17	3.85	3.38
1	16	2	5015	5.07	2.48	2.08	1.92	1.81	1.61	1.37
1	16	2	5110	4.56	2.36	2.00	2.04	1.81	1.65	1.37
1	16	4	10148	7.91	4.17	3.81	3.62	3.38	2.95	2.67
1	16	5	14366	10.00	5.51	5.15	4.96	4.76	4.17	3.50
1	15	2	5004	4.48	2.75	2.20	2.28	2.24	2.00	1.65
1	15	2	5086	4.37	2.75	2.20	2.44	2.36	2.16	1.77
1	15	4	10131	7.79	4.80	4.44	4.33	4.17	3.66	3.18
1	15	5	14496	9.84	6.57	6.22	5.94	5.59	5.07	4.29
1	14	2	4999	3.14	1.88	1.61	1.73	1.65	1.53	1.25
1	14	2	5086	3.07	1.88	1.69	1.73	1.65	1.33	1.14
1	14	4	10202	5.27	3.34	3.34	3.14	2.95	2.55	2.36
1	14	5	14527	6.81	4.60	4.48	4.25	4.05	3.58	3.07
1	13	2	5009	3.85	2.28	2.04	2.12	1.96	1.65	1.45
1	13	2	5072	3.46	2.20	2.00	1.92	1.85	1.61	1.45
1	13	4	10231	5.98	3.85	3.74	3.54	3.46	3.07	2.79
1	13	5	14549	7.40	5.19	5.07	4.84	4.68	4.17	3.58
1	12	2	5002	3.46	2.20	2.00	1.92	1.77	1.53	1.37
1	12	2	5086	3.26	2.12	2.00	1.92	1.85	1.65	1.37
1	12	4	10202	6.29	3.66	3.74	3.42	3.38	2.95	2.67
1	12	5	14622	8.11	5.00	4.96	4.72	4.48	3.97	3.54
2	1	5	23740	9.25	7.80	7.24	6.34	5.47	4.76	3.94
2	1	5	23560	9.29	7.87	7.28	6.38	5.55	4.80	3.98
2	1	7	32680	13.82	11.02	10.20	8.98	7.72	6.57	5.43
2	1	8	39580	15.51	13.50	12.56	10.98	9.41	8.11	6.65
2	1	9	45410	19.41	15.63	14.45	12.64	10.83	9.29	7.56
2	2	5	23890	9.21	7.64	7.32	6.46	5.51	4.65	3.90
2	2	5	23710	9.41	7.72	7.32	6.38	5.47	4.69	3.90
2	2	7	32930	14.65	11.42	10.28	9.13	7.80	6.54	5.43
2	2	8	40010	16.18	13.15	12.68	11.81	9.65	8.11	6.69
2	2	9	45840	19.02	15.24	14.69	12.87	11.14	9.33	7.68
2	3	5	24210	8.82	7.09	6.69	6.10	5.43	4.61	3.74
2	3	5	24060	8.31	7.13	6.73	6.02	5.24	4.37	3.82
2	3	7	33220	13.23	10.20	9.72	8.62	7.40	6.30	5.39
2	3	8	40260	16.18	12.44	11.93	10.51	9.13	7.87	6.30
2	3	9	46230	18.54	14.33	13.66	12.09	10.51	8.90	7.36
2	4	5	23960	7.68	7.28	6.54	5.83	4.96	4.25	3.43
2	4	5	23630	7.60	7.36	6.61	5.91	4.96	4.29	3.46
2	4	7	33250	12.60	10.39	9.37	8.19	6.97	5.98	4.84

2	4	8	40080	14.57	12.64	11.46	10.04	8.54	7.28	5.94
2	4	9	46130	16.93	14.57	13.19	11.50	9.84	8.35	6.81
2	5	5	23890	10.63	6.97	6.57	5.91	5.16	4.45	3.78
2	5	5	23890	10.00	7.01	6.61	5.94	5.20	4.49	3.82
2	5	7	32680	13.90	9.80	9.25	8.27	7.24	6.26	5.24
2	5	8	40050	18.62	12.01	11.34	10.16	8.82	7.64	6.42
2	5	9	46160	19.61	13.82	13.11	11.65	10.16	8.78	7.32
2	6	5	23710	10.12	7.99	7.52	6.61	5.71	4.88	4.02
2	6	5	23490	9.49	7.99	7.52	6.65	5.75	4.92	4.02
2	6	7	32290	14.09	11.22	10.47	9.17	7.91	6.65	5.47
2	6	8	39190	17.80	13.70	12.87	11.26	9.65	8.19	6.65
2	6	9	44950	20.28	15.83	14.80	12.91	11.10	9.41	7.60
2	7	5	23560	9.69	7.60	7.20	6.34	5.51	4.69	3.94
2	7	5	23670	9.69	7.52	7.13	6.30	5.35	4.61	3.62
2	7	7	32430	13.70	10.75	10.16	8.86	7.68	6.57	5.43
2	7	8	39330	16.30	13.27	12.56	10.94	9.41	7.99	6.54
2	7	9	45050	18.98	15.31	14.37	12.64	10.79	9.17	7.44
2	8	5	23210	9.09	7.87	7.32	6.42	5.43	4.57	3.74
2	8	5	23630	8.98	7.80	7.24	6.46	5.59	4.65	3.74
2	8	7	31890	13.31	11.10	10.28	8.94	7.64	6.46	5.28
2	8	8	38510	16.26	13.54	12.56	10.94	9.25	7.83	6.38
2	8	9	44120	18.82	15.83	14.49	12.68	10.71	8.98	7.24
2	9	5	22920	11.18	8.58	7.83	6.77	5.67	4.92	3.98
2	9	5	23560	11.10	8.66	7.91	6.81	5.71	4.96	3.90
2	9	7	31640	15.28	11.97	11.22	9.76	8.11	6.77	5.67
2	9	8	38330	18.39	14.92	13.98	12.09	10.28	8.58	6.97
2	9	9	43940	21.50	17.36	16.18	14.02	11.85	9.84	7.95
2	10	5	23100	10.59	7.64	7.05	6.18	5.28	4.45	3.74
2	10	5	23420	10.31	7.60	7.05	6.10	5.24	4.41	3.66
2	10	7	31890	14.06	10.75	10.00	8.66	7.40	6.26	5.12
2	10	8	38940	17.20	13.39	12.36	10.71	9.09	7.68	6.26
2	10	9	44520	19.65	15.39	14.21	12.40	10.51	8.82	7.13
2	11	5	23310	10.04	7.68	7.20	6.34	5.39	4.57	3.82
2	11	5	23100	10.43	7.72	7.24	6.38	5.47	4.65	3.86
2	11	7	31750	14.49	10.98	10.28	9.06	7.76	6.54	5.39
2	11	8	38550	18.23	13.74	12.80	11.22	9.57	8.07	6.61
2	11	9	44300	20.55	15.91	14.80	13.03	11.10	9.37	7.64
2	12	5	23280	9.13	7.20	6.50	5.98	4.96	4.06	3.11
2	12	5	23710	7.80	7.13	6.61	5.79	5.00	4.21	3.19
2	12	7	32430	13.62	10.12	9.33	8.15	7.05	6.02	5.00
2	12	8	39510	15.35	12.44	11.54	10.16	8.66	7.36	5.87
2	12	9	45200	18.03	14.53	13.39	11.73	10.04	8.46	6.93
2	13	5	22880	8.90	7.40	6.97	6.22	5.21	4.53	3.86
2	13	5	22530	8.50	7.32	6.93	6.14	5.31	4.57	3.86
2	13	7	31890	14.65	10.43	9.84	8.70	7.48	6.38	5.31
2	13	8	38720	15.67	12.91	12.13	10.75	9.17	7.87	6.57
2	13	9	44300	18.78	14.96	14.02	12.36	10.59	8.98	7.44
2	14	5	22960	8.50	6.85	6.34	5.51	4.80	4.02	3.31
2	14	5	23310	8.46	6.85	6.42	5.51	4.72	4.02	3.31
2	14	7	31860	12.95	9.69	8.66	7.72	6.61	5.63	4.61
2	14	8	38550	14.76	11.93	10.79	9.45	8.15	6.89	5.63
2	14	9	44230	17.36	13.70	12.56	10.94	9.33	7.91	6.50
2	15	5	22170	12.52	9.25	8.35	7.24	6.22	5.31	4.37
2	15	5	23060	11.93	9.29	8.39	7.24	6.30	5.35	4.41

2	15	7	31720	18.54	13.15	11.85	10.24	8.74	7.40	6.02
2	15	8	38550	21.02	16.46	14.88	12.83	10.91	9.02	7.40
2	15	9	44230	24.84	19.06	17.20	14.88	12.60	10.51	8.58
2	16	5	22600	12.28	8.46	7.68	6.65	5.67	4.80	3.94
2	16	5	22810	11.34	8.39	7.68	6.61	5.67	4.72	3.94
2	16	7	30960	17.20	11.73	10.79	9.29	7.83	6.61	5.39
2	16	8	37790	19.57	14.41	13.23	11.42	9.61	8.07	6.61
2	16	9	43410	23.50	16.61	15.31	13.15	11.06	9.33	7.56
3	1	1	1000	.34	.33	.32	.27	.26		
3	2	1	1000	.37	.36	.35	.29	.27		
3	3	1	1000	.33	.32	.32	.27	.25		
3	4	1	1000	.32	.31	.30	.25	.24		
3	11	1	1000	.29	.30	.29	.24	.24		
3	10	1	1000	.36	.35	.33	.28	.26		
3	9	1	1000	.35	.34	.33	.28	.26		
3	8	1	1000	.35	.34	.33	.28	.26		
3	7	1	1000	.40	.39	.37	.31	.29		
3	6	1	1000	.34	.33	.31	.26	.25		
3	5	1	1000	.35	.35	.33	.27	.26		
3	12	1	1000	.32	.31	.30	.25	.24		
3	13	1	1000	.33	.32	.31	.26	.25		
3	14	1	1000	.31	.30	.29	.24	.23		
3	15	1	1000	.42	.41	.39	.33	.30		
3	16	1	1000	.36	.35	.33	.28	.26		
4	1	4	10487	5.87	3.23	3.11	2.64	2.48	2.13	1.85
4	1	4	10408	5.71	3.11	3.23	2.76	2.48	2.20	1.93
4	1	5	14809	7.99	4.72	4.57	3.86	3.62	3.03	2.60
4	1	7	25011	12.91	7.99	7.64	6.50	5.91	5.04	4.25
4	2	4	10440	5.87	3.19	3.15	2.76	2.52	2.01	2.01
4	2	4	10424	5.67	3.23	3.15	2.76	2.52	2.01	1.97
4	2	5	14825	8.35	4.80	4.61	4.02	3.62	2.91	2.83
4	2	7	25170	13.54	8.19	7.80	6.77	5.98	4.84	4.41
4	3	4	10456	6.02	3.19	3.07	2.68	2.28	2.13	1.89
4	3	4	10392	5.51	3.15	3.03	2.76	2.32	2.05	1.81
4	3	5	14794	7.80	4.53	4.37	3.82	3.35	2.95	2.60
4	3	7	25249	12.44	7.64	7.28	6.14	5.43	4.84	4.13
4	4	4	10328	4.92	2.44	2.76	2.24	2.20	1.77	1.46
4	4	4	10281	4.61	2.32	2.80	2.20	2.20	1.81	1.50
4	4	5	14730	6.57	4.37	4.17	3.43	3.11	2.56	2.20
4	4	7	25154	10.75	7.36	6.93	5.75	5.16	4.21	3.62
4	5	4	10154	7.24	3.54	3.43	2.95	2.80	2.09	1.85
4	5	4	10122	6.38	3.39	3.15	2.80	2.56	1.93	1.69
4	5	5	14635	8.74	4.92	4.69	4.06	3.74	2.87	2.48
4	5	7	25154	13.98	8.43	7.99	6.89	6.18	4.88	4.17
4	6	4	10297	5.98	3.15	3.31	2.60	2.36	1.85	1.89
4	6	4	10281	5.55	3.19	3.23	2.64	2.36	1.89	1.81
4	6	5	14682	7.99	4.72	4.72	3.86	3.46	2.80	2.64
4	6	7	25154	13.11	8.03	7.68	6.46	5.67	4.65	4.21
4	7	4	10074	7.24	3.50	3.43	2.91	2.56	2.09	1.81
4	7	4	10027	6.61	3.54	3.46	2.95	2.56	2.09	1.81
4	7	5	14492	9.02	5.24	5.00	4.29	3.70	3.03	2.60
4	7	7	25202	14.25	9.17	8.50	7.32	6.26	5.12	4.21
4	8	4	10122	5.08	3.27	3.11	2.68	2.40	1.93	1.69
4	8	4	10058	4.96	3.31	3.07	2.68	2.40	1.93	1.65

4	8	5	14508	7.09	4.88	4.53	3.90	3.50	2.76	2.40
4	8	7	25281	11.69	8.19	7.60	6.46	5.75	4.57	3.98
4	9	4	10138	5.47	3.15	3.19	2.68	2.44	1.89	1.85
4	9	4	10106	5.31	3.19	3.19	2.68	2.44	1.93	1.85
4	9	5	14555	7.36	4.69	4.65	3.90	3.54	2.80	2.60
4	9	7	25265	12.24	8.15	7.80	6.57	5.79	4.72	4.06
4	10	4	10170	6.77	3.15	3.03	2.91	2.28	2.01	1.85
4	10	4	10074	6.34	3.27	3.27	2.91	2.56	2.05	2.05
4	10	5	14571	8.70	4.92	4.72	4.06	3.58	2.91	2.83
4	10	7	25154	14.06	8.27	7.83	6.42	5.87	4.88	4.29
4	11	4	10313	6.57	2.87	2.80	2.52	2.28	1.97	1.85
4	11	4	10297	6.06	2.87	2.83	2.52	2.32	1.89	1.81
4	11	5	14682	8.43	4.17	4.13	3.70	3.31	2.80	2.60
4	11	7	25265	13.43	7.13	6.81	6.06	5.31	4.61	4.13
4	12	4	10472	5.20	3.07	2.95	2.36	2.28	1.85	1.93
4	12	4	10456	5.00	3.07	2.95	2.44	2.28	1.81	1.77
4	12	5	14762	7.20	4.49	4.29	3.62	3.31	2.64	2.48
4	12	7	25249	11.97	7.64	7.20	6.10	5.39	4.45	3.86
4	13	4	9963	5.67	3.27	3.07	2.72	2.36	2.01	1.69
4	13	4	9931	5.20	3.27	3.11	2.68	2.44	2.01	1.69
4	13	5	14492	7.24	4.72	4.53	3.86	3.50	2.83	2.52
4	13	7	25297	11.57	7.87	7.60	6.42	5.75	4.69	4.13
4	14	4	10281	4.84	2.83	2.76	2.28	2.13	1.77	1.50
4	14	4	10217	4.65	2.87	2.72	2.28	2.13	1.77	1.46
4	14	5	14682	6.77	4.13	4.02	3.31	3.11	2.64	2.13
4	14	7	25281	11.30	6.89	6.65	5.55	5.08	4.33	4.00
4	15	4	9852	7.01	3.86	3.62	3.23	2.91	2.44	2.05
4	15	5	14317	9.96	5.71	5.39	4.80	4.13	3.50	2.91
4	15	7	25059	16.06	9.80	9.21	7.95	6.57	5.71	4.65
4	16	4	9915	7.83	3.43	3.07	2.76	2.40	1.97	1.77
4	16	4	9852	7.24	3.35	3.11	2.76	2.36	1.93	1.77
4	16	5	14412	10.35	4.96	4.61	4.02	3.46	2.83	2.52
4	16	7	24979	17.36	8.39	7.76	6.57	5.71	4.72	4.13
5	4	2	5020	1.40	.90	.80	.70			
5	4	2	4980	1.40	1.00	.80	.70			
5	4	3	6920	1.90	1.30	1.10	.90			
5	4	3	6930	1.90	1.30	1.10	.90			
5	3	2	5280	1.50	1.10	.90	.70			
5	3	2	5330	1.50	1.00	.80	.70			
5	3	3	7220	2.10	1.50	1.20	1.00			
5	3	3	6830	2.00	1.40	1.20	1.00			
5	3	3	6890	2.10	1.40	1.20	1.00			
5	2	2	5170	1.60	1.00	.80	.70			
5	2	2	5180	1.50	1.00	.80	.70			
5	2	3	7070	2.10	1.40	1.10	1.00			
5	2	3	7070	2.10	1.40	1.20	1.00			
5	1	2	5140	1.60	1.00	.80	.70			
5	1	2	5160	1.60	1.00	.80	.70			
5	1	3	7090	2.10	1.50	1.20	1.00			
5	1	3	7040	2.20	1.40	1.20	1.00			
5	5	2	5220	1.80	1.10	.90	.80			
5	5	2	5130	1.70	1.20	1.00	.80			
5	5	3	7020	2.40	1.60	1.30	1.10			
5	5	3	6870	2.30	1.60	1.30	1.10			

5	6	2	4980	1.50	1.00	.80	.60	
5	6	2	5040	1.50	1.00	.80	.70	
5	6	3	6940	2.10	1.40	1.10	.90	
5	6	3	6870	2.10	1.40	1.10	.90	
5	7	2	5090	1.70	1.10	1.00	.70	
5	7	2	5110	1.80	1.20	1.00	.80	
5	7	3	6850	2.40	1.60	1.30	1.10	
5	7	3	6860	2.30	1.70	1.30	1.10	
5	8	2	5070	1.60	1.00	.80	.70	
5	8	2	5190	1.60	1.00	.80	.70	
5	8	3	6870	2.10	1.40	1.20	.90	
5	8	3	6820	2.10	1.40	1.20	1.00	
5	9	2	5060	1.60	1.10	.90	.70	
5	9	2	5070	1.60	1.00	.90	.70	
5	9	3	6930	2.20	1.50	1.20	1.00	
5	9	3	6950	2.20	1.40	1.20	1.00	
5	10	2	5020	1.70	1.10	.80	.70	
5	10	2	5110	1.70	1.00	.80	.70	
5	10	3	6980	2.20	1.40	1.20	1.00	
5	10	3	6860	2.20	1.40	1.10	1.00	
5	11	2	5030	1.60	1.00	.80	.70	
5	11	2	5130	1.60	1.00	.80	.70	
5	11	3	6870	2.20	1.40	1.20	1.00	
5	11	3	6880	2.10	1.30	1.20	1.00	
5	16	2	5100	1.80	1.20	.90	.80	
5	16	2	5190	1.80	1.10	.90	.80	
5	16	3	6950	2.40	1.60	1.30	1.10	
5	16	3	6910	2.40	1.60	1.30	1.10	
5	15	2	4980	1.90	1.40	1.20	.90	
5	15	2	4990	1.80	1.40	1.20	.90	
5	15	3	7010	2.60	2.00	1.60	1.30	
5	15	3	6990	2.60	2.00	1.70	1.40	
5	14	2	5210	1.40	1.00	.80	.70	
5	14	2	5130	1.40	1.00	.80	.70	
5	14	3	6980	1.90	1.30	1.10	.90	
5	14	3	7100	1.90	1.30	1.10	.90	
5	13	2	5080	1.60	1.10	.90	.70	
5	13	2	5060	1.50	1.10	.90	.70	
5	13	3	6940	2.10	1.50	1.30	1.10	
5	13	3	6880	2.10	1.60	1.30	1.00	
5	12	2	5100	1.70	1.10	.90	.70	
5	12	2	5150	1.60	1.10	.90	.70	
5	12	3	6880	2.20	1.50	1.20	1.00	
5	12	3	6980	2.10	1.50	1.20	1.00	
6	12	4	10367	3.67	2.90	2.41	1.99	1.67
6	12	5	14453	5.11	4.04	3.31	2.70	2.23
6	13	4	10252	3.58	2.96	2.46	2.04	1.71
6	13	5	15195	5.39	4.43	3.61	2.94	2.43
6	14	4	10367	3.22	2.54	2.12	1.77	1.51
6	14	5	14651	4.54	3.56	2.95	2.44	2.08
6	15	4	10015	4.20	3.49	2.84	2.32	1.93
6	15	5	14592	6.12	5.08	4.13	3.32	2.75
6	16	4	10384	3.97	3.13	2.53	2.09	1.76
6	16	5	14783	5.67	4.52	3.60	2.95	2.46

6	11	4	10286	3.60	2.64	2.26	1.91	1.65	
6	11	5	14718	5.07	3.73	3.16	2.65	2.28	
6	10	4	10272	3.92	3.06	2.52	2.12	1.79	
6	10	5	14426	5.48	4.27	3.47	2.89	2.45	
6	9	4	10299	3.83	3.07	2.53	2.10	1.79	
6	9	5	14326	5.38	4.21	3.42	2.83	2.39	
6	8	4	10305	3.73	2.96	2.42	2.01	1.72	
6	8	5	15028	5.39	4.27	3.47	2.86	2.43	
6	7	4	10231	4.12	3.31	2.69	2.20	1.83	
6	7	5	14978	5.99	4.82	3.88	3.13	2.58	
6	6	4	10321	3.80	2.99	2.44	2.01	1.69	
6	6	5	14904	5.42	4.27	3.45	2.82	2.35	
6	5	4	10303	4.10	3.25	2.66	2.17	1.81	
6	5	5	14577	5.75	4.56	3.70	2.99	2.47	
6	1	4	10283	3.87	3.04	2.56	2.12	1.82	
6	1	5	14808	5.50	4.31	3.56	2.94	2.48	
6	2	4	10295	3.72	2.91	2.44	2.03	1.73	
6	2	5	14477	5.17	4.07	3.38	2.79	2.35	
6	3	4	10045	3.49	2.75	2.33	1.97	1.69	
6	3	5	14520	5.00	3.95	3.32	2.78	.12	
6	4	4	9979	3.31	2.63	2.21	1.86	1.61	
6	4	5	14501	4.76	3.78	3.14	2.62	2.25	
7	1	5	15449	7.30	4.40	4.10	3.70	3.10	2.80
7	1	5	15449	6.90	4.40	3.90	3.50	3.00	2.60
7	1	5	15449	6.80	4.40	3.90	3.50	3.10	2.70
7	1	6	20495	9.80	5.90	5.60	5.00	4.20	3.70
7	1	6	20495	9.30	5.90	5.50	4.80	4.10	3.50
7	1	6	20495	9.20	5.90	5.50	4.80	4.10	3.50
7	2	5	15243	10.60	4.10	3.80	3.50	3.00	2.70
7	2	5	15243	8.00	4.10	3.70	3.40	3.00	2.60
7	2	5	15243	7.40	4.10	3.70	3.40	3.00	2.60
7	2	6	20598	10.20	5.60	5.40	4.80	4.10	3.50
7	2	6	20598	9.30	5.70	5.30	4.70	4.00	3.40
7	2	6	20598	9.10	5.70	5.30	4.60	4.00	3.40
7	3	5	15346	8.50	4.00	3.70	3.40	3.00	2.60
7	3	5	15346	7.20	4.10	3.60	3.30	2.90	2.50
7	3	5	15346	6.90	4.10	3.60	3.30	2.90	2.50
7	3	6	21010	9.80	5.50	5.20	4.60	3.90	3.50
7	3	6	21010	9.00	5.40	5.00	4.50	3.90	3.40
7	3	6	21010	8.80	5.50	5.10	4.50	3.90	3.40
7	4	5	15449	6.30	3.80	3.40	3.10	2.60	2.30
7	4	5	15449	5.70	3.80	3.30	3.00	2.60	2.30
7	4	5	15449	5.60	3.80	3.30	3.00	2.60	2.30
7	4	6	21113	7.80	5.20	4.70	4.20	3.60	3.20
7	4	6	21113	7.60	5.20	4.70	4.20	3.60	3.10
7	4	6	21113	7.40	5.20	4.70	4.20	3.60	3.10
7	11	5	15449	9.60	3.70	3.50	3.30	2.80	2.50
7	11	5	15449	8.00	3.70	3.40	3.10	2.80	2.40
7	11	5	15449	7.60	3.80	3.40	3.10	2.80	2.40
7	11	6	20804	10.90	5.00	4.90	4.40	3.80	3.30
7	11	6	20804	10.00	5.10	4.80	4.30	3.80	3.30
7	11	6	20804	9.70	5.10	4.80	4.30	3.80	3.30
7	10	5	14728	8.00	4.30	3.90	3.50	2.90	2.60
7	10	5	14728	7.20	4.30	3.70	3.40	2.90	2.50

7	10	5	14728	6.90	4.30	3.70	3.40	2.90	2.40
7	10	6	20598	9.70	5.80	5.40	4.70	3.90	3.40
7	10	6	20598	9.30	5.80	5.30	4.60	3.90	3.40
7	10	6	20598	9.10	5.80	5.30	4.60	3.90	3.30
7	9	5	15037	8.10	4.60	4.10	3.60	3.00	2.80
7	9	5	15037	7.40	4.50	3.90	3.50	3.00	2.70
7	9	5	15037	7.20	4.50	3.90	3.50	3.00	2.60
7	9	6	20392	9.80	6.10	5.60	4.90	4.10	3.70
7	9	6	20392	4.10	6.10	5.50	4.80	4.10	3.60
7	9	6	20392	4.10	6.10	5.60	4.80	4.10	3.60
7	9	6	20186	14.80	6.10	5.70	4.90	4.20	3.70
7	9	6	20186	9.70	6.10	5.60	4.80	4.10	3.60
7	9	6	20186	9.60	6.10	5.60	4.80	4.10	3.50
7	8	5	14625	6.30	4.40	3.90	3.50	2.90	2.60
7	8	5	14625	6.20	4.40	3.80	3.40	3.00	2.50
7	8	5	14625	7.40	4.40	3.80	3.40	3.00	2.50
7	8	6	20572	8.30	6.00	5.40	4.70	3.90	3.50
7	8	6	20572	8.10	6.10	5.40	4.60	4.00	3.40
7	8	6	20572	8.20	6.00	5.40	4.60	4.00	3.40
7	7	5	14522	8.70	5.20	4.70	4.10	3.50	3.00
7	7	5	14522	7.80	5.20	4.60	4.10	3.40	2.90
7	7	5	14522	7.60	5.20	4.60	4.10	3.40	2.90
7	7	6	20186	10.60	7.00	6.50	5.60	4.60	4.00
7	7	6	20186	10.10	7.00	6.40	5.50	4.60	3.90
7	7	6	20186	10.00	7.00	6.40	5.50	4.60	3.90
7	6	5	14728	8.00	4.50	4.10	3.70	3.10	2.70
7	6	5	14728	6.90	4.60	4.00	3.60	3.00	2.60
7	6	5	14728	6.70	4.50	4.00	3.50	3.00	2.60
7	6	6	21216	9.50	6.10	5.70	5.00	4.20	3.60
7	6	6	21216	8.90	6.20	5.60	4.90	4.10	3.50
7	6	6	21216	8.80	6.10	5.60	4.80	4.10	3.50
7	5	5	14831	8.40	4.80	4.40	4.00	3.30	3.00
7	5	5	14831	7.80	4.80	4.30	3.90	3.30	2.90
7	5	5	14831	7.60	4.80	4.30	3.90	3.30	2.90
7	5	6	20804	10.60	6.60	6.20	5.50	4.60	4.00
7	5	6	20804	10.20	6.60	6.10	5.40	4.60	3.90
7	5	6	20804	10.00	6.60	6.10	5.30	4.60	3.90
7	12	5	15037	8.50	6.00	4.30	3.80	3.30	2.90
7	12	5	15037	7.60	4.80	4.10	3.70	3.20	2.80
7	12	5	15037	7.10	4.80	4.00	3.70	3.10	2.70
7	12	6	20186	9.90	6.30	5.90	5.20	4.40	3.90
7	12	6	20186	9.50	6.30	5.70	5.10	4.40	3.80
7	12	6	20186	9.30	6.20	5.70	5.00	4.40	3.70
7	13	5	14625	8.30	4.50	4.20	3.80	3.30	3.00
7	13	5	14625	7.20	4.50	4.10	3.70	3.30	2.80
7	13	5	14625	7.00	4.50	4.00	3.70	3.20	2.80
7	13	6	20907	9.80	6.10	5.80	5.20	4.60	4.00
7	13	6	20907	9.10	6.10	5.70	5.10	4.40	3.80
7	13	6	20907	9.10	6.10	5.60	5.00	4.40	3.80
7	14	5	14831	6.30	3.70	3.30	3.00	2.50	2.40
7	14	5	14831	6.00	3.70	3.20	3.00	2.60	2.20
7	14	5	14831	5.90	3.70	3.20	3.00	2.50	2.20
7	14	6	20907	8.40	5.20	4.70	4.10	3.50	3.10
7	14	6	20907	8.00	5.20	4.60	4.10	3.50	3.10

7	14	6	20907	8.00	5.20	4.60	4.10	3.50	3.00
7	15	5	13801	11.30	5.40	5.00	4.50	3.80	3.40
7	15	5	13801	9.70	5.40	4.90	4.40	3.80	3.30
7	15	5	13801	9.30	5.40	4.90	4.40	3.80	3.30
7	15	6	19980	12.70	7.40	6.90	6.10	5.20	4.50
7	15	6	19980	12.00	7.40	6.80	6.00	5.20	4.40
7	15	6	19980	11.60	7.30	6.70	6.00	5.10	4.40
7	16	5	14419	10.10	4.40	4.00	3.50	3.10	2.70
7	16	5	14419	8.90	4.40	3.90	3.50	3.00	2.60
7	16	5	14419	8.40	4.40	3.90	3.50	3.00	2.60
7	16	6	20392	11.70	6.10	5.70	5.00	4.20	3.70
7	16	6	20392	11.10	6.20	5.60	4.80	4.20	3.50
7	16	6	20392	10.90	6.20	5.60	4.80	4.20	3.50

SITE 3

1	8	2	5042	3.58	3.26	3.14	3.03	2.75	2.36	1.85
1	8	2	5089	3.58	3.46	3.22	3.03	2.87	2.44	1.77
1	8	4	10285	7.00	6.37	6.22	5.82	5.47	4.68	3.89
1	8	5	14651	9.17	8.81	8.70	8.03	7.59	6.49	5.43
1	7	2	5024	3.42	3.26	2.95	2.75	2.67	2.16	1.77
1	7	2	5087	3.38	3.26	3.07	2.95	2.67	2.16	1.77
1	7	4	10261	6.65	6.10	5.82	5.55	5.07	4.37	3.58
1	7	5	14787	8.81	8.54	8.26	7.63	7.20	6.10	5.11
1	6	2	5024	3.85	3.66	3.54	3.42	3.26	2.87	2.24
1	6	2	5067	3.97	3.66	3.54	3.34	3.14	2.75	2.28
1	6	4	10249	7.51	7.00	6.88	6.49	6.10	5.27	4.60
1	6	5	14633	10.30	9.80	9.68	9.13	8.77	7.40	6.53
1	5	2	5007	3.46	3.34	3.11	3.03	2.87	2.36	1.85
1	5	2	5081	3.58	3.34	3.30	3.14	3.07	2.55	2.08
1	5	4	10243	6.81	6.49	6.10	5.82	5.47	4.68	4.09
1	5	5	14872	9.40	9.01	8.70	8.34	7.79	6.81	5.62
1	4	2	5004	3.58	3.46	3.18	3.03	2.95	2.55	1.96
1	4	2	5072	3.66	3.46	3.34	3.14	2.87	2.44	1.96
1	4	4	10267	7.08	6.57	6.37	5.94	5.59	4.76	4.09
1	4	5	14895	9.84	9.21	9.05	8.54	7.99	6.81	5.74
1	3	2	5048	3.77	3.54	3.54	3.22	2.95	2.75	2.08
1	3	2	5092	3.77	3.66	3.46	3.34	3.07	2.67	2.16
1	3	4	10267	7.28	6.96	6.73	6.45	6.10	5.27	4.29
1	3	5	14848	10.00	9.60	9.48	8.93	8.46	7.08	6.25
1	2	2	5030	5.07	4.92	4.76	4.64	4.37	3.66	2.99
1	2	2	5101	5.03	4.92	4.76	4.64	4.37	3.77	2.95
1	2	4	10285	9.92	9.60	9.37	9.05	8.62	7.36	6.25
1	2	5	14960	13.80	13.50	13.30	12.80	12.20	10.40	8.89
1	1	2	5004	3.77	3.58	3.34	3.22	3.07	2.67	2.28
1	1	2	5060	3.77	3.54	3.54	3.22	3.07	2.75	2.36
1	1	4	10302	7.28	7.00	6.69	6.45	6.10	5.27	4.29
1	1	5	15001	10.20	9.80	9.76	9.05	8.62	7.36	6.33
1	16	2	5054	3.97	3.74	3.42	3.42	3.22	2.75	2.08
1	16	2	5072	3.93	3.77	3.38	3.38	3.14	2.67	2.16
1	16	4	10273	7.63	7.32	6.73	6.49	6.10	5.39	4.29
1	16	5	14893	10.30	9.68	9.68	8.85	8.50	7.16	5.94
1	15	2	5001	3.77	3.54	3.34	3.34	2.95	2.67	1.96
1	15	2	5072	3.77	3.66	3.46	3.34	3.07	2.55	2.16

1	15	4	10273	7.28	6.96	6.61	6.45	6.10	5.19	4.52
1	15	5	14824	9.84	9.60	9.48	8.93	8.42	7.28	6.25
1	14	2	5028	4.05	3.93	3.62	3.54	3.26	2.87	2.16
1	14	2	5087	4.29	3.93	3.89	3.62	3.38	2.87	2.16
1	14	4	10261	7.99	7.55	7.16	6.92	6.37	5.39	4.60
1	14	5	14966	11.20	10.50	10.20	9.64	9.17	7.95	6.53
1	13	2	5036	3.85	3.74	3.42	3.42	3.14	2.67	2.16
1	13	2	5087	4.05	3.74	3.74	3.54	3.38	2.75	2.16
1	13	4	10285	7.71	7.36	7.08	6.53	6.25	5.39	4.52
1	13	5	15043	10.70	10.20	10.00	9.44	8.89	7.79	6.65
1	12	2	5028	4.33	4.25	4.01	3.93	3.66	3.14	2.67
1	12	2	5095	4.40	4.33	4.09	4.05	3.66	3.26	2.67
1	12	4	10332	8.66	8.34	7.99	7.63	7.28	6.45	5.43
1	12	5	15049	12.00	11.60	11.50	10.80	10.40	9.05	7.75
1	11	2	5007	4.05	3.93	3.62	3.54	3.26	2.87	2.16
1	11	2	5066	4.05	4.05	3.81	3.54	3.46	2.95	2.28
1	11	4	10285	7.99	7.63	7.36	6.92	6.61	5.66	4.72
1	11	5	15076	11.20	10.80	10.60	10.10	9.40	8.11	6.85
1	10	2	5028	3.77	3.46	3.22	3.22	2.95	2.67	1.96
1	10	2	5078	3.77	3.46	3.42	3.14	3.07	2.55	1.85
1	10	4	10332	7.51	6.77	6.61	6.25	5.78	5.03	4.21
1	10	5	15123	10.20	9.68	9.48	8.97	8.42	7.20	5.94
1	9	2	5036	4.48	4.13	3.89	3.93	3.66	3.26	2.48
1	9	2	5054	4.48	4.13	4.01	3.93	3.66	3.14	2.48
1	9	4	10267	8.81	8.14	7.95	7.44	7.00	6.02	5.11
1	9	5	15119	12.10	11.50	11.30	10.80	10.30	8.85	7.48
2	1	5	15770	11.77	10.63	9.65	8.39	6.97	5.67	4.25
2	1	5	15480	11.81	10.55	9.61	8.35	6.93	5.55	4.17
2	1	7	25240	17.99	17.28	15.83	13.62	11.38	9.17	6.97
2	1	8	37190	26.22	25.12	22.83	19.72	16.50	13.46	10.16
2	1	9	49020	33.50	31.54	28.62	24.80	20.75	16.69	12.64
2	2	5	16980	14.53	12.44	11.14	9.45	7.64	5.94	4.33
2	2	5	16910	14.57	12.48	11.18	9.53	7.72	5.94	4.29
2	2	7	26890	20.55	19.92	17.72	15.08	12.17	9.65	6.89
2	2	8	38080	28.27	27.68	24.57	20.94	16.93	13.43	9.76
2	2	9	48630	35.12	34.25	30.20	25.87	20.94	16.69	12.09
2	3	5	16770	12.36	10.20	9.09	7.83	6.26	4.84	3.43
2	3	5	16700	12.83	10.12	8.94	7.68	6.26	4.80	3.31
2	3	7	26420	17.32	16.14	14.37	12.28	9.88	7.56	5.51
2	3	8	38400	23.50	23.19	20.71	17.48	14.13	10.98	7.99
2	3	9	48910	30.94	29.09	25.94	21.65	17.48	13.66	9.96
2	4	5	16230	12.56	11.46	10.16	8.74	7.36	6.02	4.33
2	4	5	15910	12.72	11.26	10.04	8.90	7.09	5.51	4.21
2	4	7	25780	19.45	18.54	16.50	13.98	11.69	9.21	7.01
2	4	8	37400	27.87	26.34	23.82	20.24	16.61	13.31	10.12
2	4	9	48950	35.79	33.35	29.57	25.16	20.75	16.42	12.44
2	5	5	16450	13.54	12.60	11.38	9.80	8.11	6.34	4.53
2	5	5	16160	13.58	12.56	11.30	9.76	7.99	6.26	4.41
2	5	7	26030	20.67	20.12	18.19	15.79	13.11	10.12	7.40
2	5	8	37870	41.97	29.57	26.50	22.68	18.78	14.57	10.63
2	5	9	49490	38.86	38.62	32.99	28.35	24.09	18.15	13.23
2	6	5	16270	12.28	11.26	10.16	8.82	7.32	5.91	4.37
2	6	5	16130	11.81	10.79	9.72	8.39	6.93	5.67	4.13
2	6	7	25890	18.70	18.23	16.50	14.25	11.93	9.65	7.28

2	6	8	38080	27.56	26.65	24.02	20.79	17.32	13.94	10.67
2	6	9	48660	35.98	33.94	30.71	26.42	21.93	17.48	13.82
2	7	5	15980	11.54	10.67	9.49	8.03	6.57	5.16	3.78
2	7	5	15340	11.97	11.02	9.76	8.35	6.77	5.35	4.02
2	7	7	25530	18.39	17.64	15.79	13.58	11.22	9.02	6.85
2	7	8	37220	26.65	25.63	22.99	19.57	16.22	12.95	9.61
2	7	9	48740	34.80	32.72	29.37	25.08	20.67	16.50	12.44
2	8	5	15880	10.87	10.24	9.13	7.95	6.61	4.84	3.90
2	8	5	15660	10.87	10.28	9.09	7.95	6.61	5.12	3.94
2	8	7	25530	17.72	16.77	15.28	13.15	11.02	8.94	6.73
2	8	8	37470	26.02	24.49	22.24	19.17	15.98	12.83	9.69
2	8	9	49130	33.23	31.18	28.23	24.41	20.20	15.98	12.17
2	9	5	16410	12.44	11.14	10.00	8.58	7.17	5.71	4.21
2	9	5	16130	12.56	11.06	9.92	8.54	7.05	5.67	4.21
2	9	7	25960	18.39	17.83	16.06	13.86	11.57	9.37	7.05
2	9	8	37540	26.46	25.71	23.07	19.92	16.54	13.39	10.00
2	9	9	49270	35.47	32.36	29.09	25.31	20.79	16.69	12.52
2	10	5	16480	16.54	15.20	14.02	11.97	9.80	7.91	6.02
2	10	5	16450	16.42	15.20	14.02	11.97	9.84	7.91	6.02
2	10	7	26350	25.12	24.61	22.60	19.45	16.02	12.83	9.88
2	10	8	37510	36.81	35.43	32.28	27.64	22.80	18.46	14.25
2	10	9	48740	45.35	44.37	42.01	35.00	29.06	23.54	18.15
2	11	5	15910	12.56	10.75	9.72	8.43	6.97	5.63	4.17
2	11	5	15630	13.07	10.63	9.65	8.35	6.93	5.59	4.13
2	11	7	25850	19.21	17.40	15.87	13.66	11.46	9.21	7.01
2	11	8	37690	27.64	25.24	22.95	19.88	16.65	13.46	10.28
2	11	9	49990	34.76	32.48	29.29	25.51	21.34	17.36	13.27
2	12	5	14770	11.85	9.65	8.70	7.48	6.18	4.96	3.66
2	12	5	14340	11.73	9.57	8.58	7.36	6.10	4.76	3.62
2	12	7	24420	16.46	16.14	14.49	12.48	10.31	8.15	6.10
2	12	8	36900	27.40	23.58	21.14	20.35	15.04	11.89	8.78
2	12	9	49490	32.83	30.12	26.89	23.23	19.06	15.12	11.06
2	13	5	16880	11.46	10.51	9.41	8.23	6.81	4.84	3.86
2	13	5	16630	11.50	10.43	9.45	8.19	6.73	4.84	3.78
2	13	7	26750	17.17	16.46	15.08	12.87	10.71	8.50	6.46
2	13	8	37470	23.98	23.39	21.38	18.03	14.92	13.70	9.09
2	13	9	49630	31.57	29.69	27.28	23.35	18.74	14.92	11.10
2	14	5	14590	11.81	11.14	10.24	8.62	6.93	5.51	4.17
2	14	5	13980	11.93	10.83	10.16	8.46	6.77	5.39	4.17
2	14	7	24710	19.06	18.31	16.50	14.17	11.81	9.21	6.77
2	14	8	37330	26.81	26.22	23.66	20.24	17.05	13.43	9.92
2	14	9	50490	35.94	33.50	30.35	25.31	20.63	16.89	12.72
2	15	5	15020	12.24	10.35	9.33	7.99	6.54	5.16	3.70
2	15	5	15120	12.01	10.35	9.17	7.87	6.46	4.92	3.58
2	15	7	24850	15.24	16.30	14.65	12.56	10.35	8.07	5.87
2	15	8	37110	23.03	23.27	20.79	17.80	14.57	11.57	8.50
2	15	9	48840	30.91	30.08	26.10	22.28	18.15	14.25	10.28
2	16	5	15950	11.69	10.63	9.61	8.50	6.81	5.59	4.49
2	16	5	14980	11.38	10.59	9.57	8.50	6.81	5.59	4.41
2	16	7	25210	17.05	16.69	15.24	13.43	11.10	9.02	7.24
2	16	8	37190	24.80	24.29	22.09	19.25	16.06	13.11	10.08
2	16	9	49020	33.03	30.59	27.76	24.13	20.20	16.34	12.56
3	1	1	1000	.53	.50	.46	.38	.32		
3	2	1	1000	.64	.62	.57	.48	.42		

3	3	1	1000	.53	.50	.46	.38	.32		
3	4	1	1000	.50	.47	.43	.34	.28		
3	5	1	1000	.51	.48	.43	.35	.29		
3	6	1	1000	.56	.53	.49	.40	.34		
3	7	1	1000	.51	.48	.43	.34	.28		
3	8	1	1000	.57	.54	.49	.40	.34		
3	9	1	1000	.65	.61	.56	.46	.38		
3	10	1	1000	.51	.47	.43	.35	.29		
3	11	1	1000	.57	.54	.49	.39	.33		
3	12	1	1000	.66	.63	.58	.48	.41		
3	13	1	1000	.57	.53	.48	.39	.33		
3	14	1	1000	.62	.57	.51	.42	.35		
3	15	1	1000	.54	.50	.46	.37	.31		
3	16	1	1000	.59	.54	.49	.39	.32		
4	1	4	9836	5.83	5.59	5.04	4.33	3.78	2.95	2.44
4	1	4	9788	5.75	5.55	5.04	4.33	3.74	2.95	2.36
4	1	5	14412	8.86	8.43	7.64	6.54	5.63	4.49	3.54
4	1	7	25313	15.35	14.49	13.23	11.34	9.69	7.64	6.02
4	2	4	9836	8.43	7.91	7.52	6.50	5.39	4.33	3.50
4	2	4	9725	8.43	7.68	7.48	6.42	5.31	4.33	3.46
4	2	5	14206	12.95	12.91	11.61	10.12	8.43	6.61	5.28
4	2	7	24804	22.83	22.01	20.51	17.76	14.69	11.73	9.13
4	3	4	9677	6.10	5.79	5.31	4.49	3.82	2.95	2.32
4	3	4	9693	6.06	5.71	5.28	4.45	3.78	2.91	2.20
4	3	5	14222	9.29	8.78	8.07	6.85	5.79	4.49	3.39
4	3	7	25360	16.26	15.31	14.09	11.97	10.04	7.76	5.79
4	4	4	9677	5.63	5.35	4.84	4.02	3.43	2.60	2.20
4	4	4	9693	5.63	5.31	4.80	4.02	3.39	2.64	2.13
4	4	5	14206	8.62	8.03	7.32	6.10	5.16	4.02	3.27
4	4	7	25233	15.20	13.94	12.68	10.59	8.98	6.93	5.55
4	5	4	10090	5.43	5.16	4.69	3.98	3.39	2.64	2.24
4	5	4	9931	5.43	5.16	4.69	3.94	3.39	2.60	2.17
4	5	5	14380	8.31	7.72	7.01	5.94	5.04	3.90	3.35
4	5	7	25186	14.41	13.31	12.01	10.20	8.62	6.73	5.59
4	6	4	10233	6.18	5.87	5.47	4.69	4.06	3.27	2.64
4	6	4	10185	6.14	5.83	5.43	4.65	3.98	3.23	2.60
4	6	5	14396	9.45	8.94	8.27	7.17	6.26	4.92	3.90
4	6	7	24773	16.81	15.75	14.53	12.44	10.67	8.50	6.65
4	7	4	9518	5.04	4.72	4.25	3.46	2.87	2.17	1.69
4	7	4	9455	4.96	4.72	4.25	3.46	2.87	2.17	1.73
4	7	5	14158	7.68	7.20	6.46	5.28	4.37	3.27	2.60
4	7	7	25233	13.43	12.40	11.02	9.09	7.52	5.67	4.33
4	8	4	9470	5.12	4.80	4.45	3.70	3.07	2.40	1.89
4	8	4	9502	5.16	4.88	4.45	3.70	3.07	2.40	1.89
4	8	5	14222	7.83	7.32	6.61	5.51	4.65	3.62	2.87
4	8	7	25170	13.74	12.64	11.42	9.53	7.95	6.22	4.80
4	9	4	9709	6.14	5.79	5.28	4.45	3.74	2.91	2.32
4	9	4	9661	6.14	5.75	5.24	4.41	3.70	2.87	2.32
4	9	5	14063	9.37	8.74	7.91	6.73	5.63	4.41	3.46
4	9	7	25059	16.38	15.16	13.62	11.61	9.72	7.56	5.79
4	10	4	9963	5.20	5.12	4.49	3.74	3.27	2.32	1.93
4	10	4	9836	5.12	5.00	4.45	3.70	3.11	2.32	1.85
4	10	5	14253	7.95	7.60	6.69	5.67	4.69	3.58	2.72
4	10	7	25011	14.02	13.23	11.61	9.84	8.07	6.22	4.69

4	11	4	9423	5.87	5.51	5.08	4.21	3.62	2.72	2.20
4	11	4	9375	5.87	5.55	5.04	4.17	3.58	2.72	2.17
4	11	5	14031	8.90	8.35	7.56	6.30	5.35	4.13	3.27
4	11	7	25090	15.51	14.61	13.15	10.98	9.33	7.28	5.63
4	12	4	9804	6.30	6.02	5.67	4.84	4.13	3.31	2.60
4	12	4	9677	6.14	5.94	5.59	4.72	4.06	3.23	2.56
4	12	5	14174	9.49	9.25	8.50	7.36	6.30	5.04	3.86
4	12	7	25170	16.61	16.06	14.76	12.83	10.91	8.70	6.69
4	13	4	9756	6.10	5.79	5.28	4.41	3.82	2.95	2.32
4	13	4	9693	6.06	5.83	5.28	4.45	3.82	2.95	2.32
4	13	5	14190	9.41	8.82	8.03	6.77	5.79	4.49	3.50
4	13	7	25376	16.61	15.55	14.09	11.89	10.12	7.87	6.06
4	14	4	9486	6.02	5.75	5.24	4.45	3.74	2.91	2.40
4	14	4	9407	5.98	5.71	5.16	4.37	3.74	2.91	2.32
4	14	5	14063	9.02	8.54	7.72	6.50	5.55	4.41	3.50
4	14	7	25297	15.83	14.92	13.35	11.30	9.69	7.48	6.06
4	15	4	9486	5.83	5.51	5.04	4.33	3.66	2.91	2.36
4	15	4	9439	5.79	5.47	5.00	4.33	3.66	2.91	2.32
4	15	5	14031	8.70	8.23	7.52	6.42	5.47	4.33	3.43
4	15	7	25233	15.31	14.33	13.03	11.22	9.45	7.48	5.87
4	16	4	9486	5.98	5.55	5.04	4.17	3.58	2.76	2.17
4	16	4	9423	5.91	5.59	5.04	4.13	3.58	2.76	2.17
4	16	5	14047	8.98	8.39	7.52	6.26	5.35	4.17	3.23
4	16	7	24900	15.83	14.49	13.03	10.87	9.21	7.17	5.51
5	16	2	5020	3.10	2.40	1.90	1.60			
5	16	2	5020	3.20	2.40	1.90	1.60			
5	16	3	6980	4.50	3.50	2.80	2.30			
5	16	3	6970	4.40	3.50	2.80	2.30			
5	15	2	5100	3.10	2.60	2.10	1.80			
5	15	2	5040	3.20	2.60	2.20	1.90			
5	15	3	6880	4.50	3.80	3.10	2.60			
5	15	3	6920	4.40	3.70	3.10	2.70			
5	14	2	5430	4.40	3.50	2.90	2.50			
5	14	2	5380	4.50	3.60	2.90	2.50			
5	14	3	6920	5.90	4.60	3.90	3.40			
5	14	3	6940	5.90	4.70	3.80	3.40			
5	13	2	5290	3.90	2.60	2.10	1.80			
5	13	2	5240	4.00	2.60	2.10	1.80			
5	13	3	7090	5.60	3.70	3.00	2.50			
5	13	3	7010	5.50	3.70	3.00	2.50			
5	12	2	5130	3.30	2.70	2.30	1.90			
5	12	2	5180	3.40	2.80	2.30	1.90			
5	12	3	6960	4.60	3.90	3.10	2.70			
5	12	3	6970	4.60	3.80	3.10	2.60			
5	11	2	5120	2.90	2.30	1.80	1.50			
5	11	2	5280	2.90	2.30	1.80	1.50			
5	11	3	6930	4.00	3.10	2.50	2.10			
5	11	3	6950	4.10	3.20	2.50	2.10			
5	10	2	5130	3.20	2.10	1.80	1.50			
5	10	2	5110	3.20	2.10	1.80	1.50			
5	10	3	7070	4.50	3.10	2.60	2.20			
5	10	3	7110	4.50	3.10	2.60	2.20			
5	9	2	5130	3.20	2.40	1.90	1.60			
5	9	2	5180	3.20	2.40	1.90	1.60			

5	9	3	7020	4.60	3.30	2.60	2.20	
5	9	3	6960	4.60	3.30	2.60	2.20	
5	8	2	5190	2.70	2.00	1.60	1.30	
5	8	2	5260	2.60	2.10	1.70	1.40	
5	8	3	7010	3.70	2.80	2.20	1.90	
5	8	3	6980	3.60	2.90	2.30	1.90	
5	7	2	5120	2.70	2.20	1.80	1.60	
5	7	2	5440	2.70	2.20	1.80	1.50	
5	7	3	7100	3.60	2.90	2.30	2.00	
5	7	3	7130	3.60	2.90	2.30	2.00	
5	6	2	5110	3.30	2.70	2.20	2.00	
5	6	2	5140	3.30	2.70	2.30	2.00	
5	6	3	7010	4.80	3.90	3.20	2.80	
5	6	3	7090	4.80	3.90	3.30	2.80	
5	5	2	5090	2.90	.00	1.90	1.70	
5	5	2	5090	2.90	2.40	1.90	1.70	
5	5	3	7120	4.10	3.30	2.80	2.50	
5	5	3	7150	4.10	3.30	2.80	2.50	
5	4	2	5230	2.50	2.00	1.60	1.40	
5	4	2	5170	2.50	2.00	1.60	1.30	
5	4	3	7040	3.40	2.80	2.20	1.80	
5	4	3	7030	3.40	2.80	2.20	1.90	
5	3	2	5170	2.70	2.10	1.80	1.40	
5	3	2	5160	2.70	2.20	1.70	1.40	
5	3	3	7040	3.80	3.10	2.50	2.10	
5	3	3	7000	3.80	3.10	2.50	2.00	
5	2	2	5030	4.00	3.30	2.80	2.30	
5	2	2	5110	3.90	3.30	2.80	2.30	
5	2	3	6930	5.60	4.80	3.90	3.30	
5	2	3	6950	5.50	4.80	3.90	3.40	
5	1	2	5240	2.90	2.20	1.70	1.50	
5	1	2	5120	2.80	2.20	1.80	1.50	
5	1	3	6930	4.10	3.00	2.50	2.10	
5	1	3	6970	4.10	3.10	2.50	2.10	
6	9	4	10402	6.29	4.73	3.79	2.93	2.26
6	9	5	15448	9.34	7.04	5.79	4.39	3.40
6	10	4	10423	5.71	4.43	3.49	2.69	2.11
6	10	5	14289	7.92	6.19	4.87	3.76	2.95
6	11	4	11961	6.47	5.63	4.48	3.51	2.75
6	11	5	14708	7.99	6.94	5.53	4.35	3.42
6	12	4	11024	6.72	5.85	4.70	6.70	2.84
6	12	5	14834	9.15	8.03	6.47	5.09	3.92
6	13	4	10491	6.78	5.71	4.64	3.73	2.25
6	13	5	14632	9.66	7.96	6.41	5.16	4.08
6	14	4	12582	7.18	6.30	5.08	4.06	3.20
6	14	5	15041	8.79	7.76	6.25	5.01	3.95
6	15	4	10546	6.02	5.26	4.21	3.42	2.73
6	15	5	14989	8.74	7.68	6.20	5.02	4.01
6	16	4	10688	5.78	4.98	3.77	2.99	2.26
6	16	5	14556	8.00	6.96	5.35	4.20	3.19
6	1	4	10592	5.80	4.99	4.05	3.22	2.55
6	1	5	15050	8.25	7.22	5.84	4.67	3.69
6	2	4	10377	8.00	7.12	5.84	4.54	3.49
6	2	5	15653	12.15	10.72	8.81	6.87	5.27

6	3	4	10354	5.78	5.10	3.99	3.20	2.45	
6	3	5	15109	8.69	7.69	6.08	4.83	3.70	
6	4	4	11506	6.21	5.13	4.01	3.14	2.42	
6	4	5	15064	8.07	6.77	5.26	4.14	3.20	
6	5	4	10464	5.54	4.46	3.49	2.76	2.14	
6	5	5	14742	7.99	6.56	5.14	4.07	3.16	
6	6	4	10318	6.78	5.55	4.42	3.46	2.67	
6	6	5	14586	9.65	7.96	6.44	4.99	3.86	
6	7	4	9560	4.61	3.88	2.94	2.30	1.97	
6	7	5	14511	7.17	6.11	4.65	3.65	2.77	
6	8	4	10280	4.91	4.22	3.26	2.56	1.96	
6	8	5	14420	7.15	6.20	4.83	3.79	2.92	
7	1	5	15243	10.50	9.80	9.10	7.90	6.50	5.60
7	1	5	15243	10.20	9.60	8.70	7.50	6.30	5.30
7	1	5	15243	10.20	9.50	8.70	7.50	6.30	5.30
7	1	6	19156	12.90	12.00	11.20	9.70	8.00	6.90
7	1	6	19156	12.70	11.80	10.90	9.40	7.80	6.60
7	1	6	19156	12.60	11.70	10.80	9.30	7.80	6.50
7	2	5	15449	15.00	14.30	13.50	11.70	9.70	8.40
7	2	5	15449	14.70	14.10	13.10	11.40	9.50	8.10
7	2	5	15449	14.70	14.00	13.10	11.30	9.50	8.00
7	2	6	19568	18.50	17.80	16.90	14.50	12.10	10.40
7	2	6	19568	18.30	17.60	16.50	14.20	11.90	10.10
7	2	6	19568	18.20	17.50	16.50	14.10	11.80	10.00
7	3	5	15655	10.50	9.80	9.00	7.90	6.50	5.50
7	3	5	15655	10.20	9.60	8.70	7.60	6.30	5.20
7	3	5	15655	10.30	9.60	8.70	7.60	6.30	5.20
7	3	6	19568	12.90	12.10	11.30	9.70	8.00	6.70
7	3	6	19568	12.80	12.00	10.90	9.40	7.90	6.50
7	3	6	19568	12.80	11.90	10.90	9.40	8.00	6.50
7	4	5	15243	10.00	9.20	8.40	7.20	6.00	5.00
7	4	5	15243	9.80	9.10	8.20	7.00	5.90	4.90
7	4	5	15243	9.80	9.10	8.30	7.10	5.90	4.90
7	4	6	19774	12.40	11.60	10.60	9.10	7.40	6.20
7	4	6	19774	12.10	11.30	10.30	8.80	7.20	6.00
7	4	6	19774	12.20	11.30	10.30	8.80	7.20	5.90
7	5	5	15449	10.20	9.40	8.50	7.40	6.10	5.20
7	5	5	15449	9.90	9.20	8.30	7.20	6.00	5.00
7	5	5	15449	9.80	9.10	8.20	7.10	5.90	5.00
7	5	6	19568	12.50	11.50	10.60	9.10	7.40	6.30
7	5	6	19568	12.30	11.30	10.40	8.90	7.40	6.10
7	5	6	19568	11.90	11.00	10.00	8.60	7.10	5.90
7	6	5	15346	11.10	10.40	9.60	8.40	7.10	6.00
7	6	5	15346	10.90	10.20	9.30	8.20	6.90	5.80
7	6	5	15346	10.90	10.20	9.30	8.10	6.90	5.70
7	6	6	19568	13.70	12.90	12.00	10.40	8.70	7.40
7	6	6	19568	13.50	12.80	11.80	10.20	8.60	7.20
7	6	6	19568	13.50	12.80	11.80	10.20	8.60	7.20
7	7	5	15346	10.30	9.50	8.70	7.50	6.10	5.20
7	7	5	15346	10.00	9.30	8.40	7.20	5.90	4.90
7	7	5	15346	10.00	9.30	8.40	7.20	5.90	4.90
7	7	6	19053	12.50	11.60	10.60	9.00	7.30	6.10
7	7	6	19053	12.30	11.50	10.40	8.80	7.30	6.00
7	7	6	19053	12.40	11.50	10.40	8.90	7.30	6.00

7	8	5	15243	10.70	10.00	9.20	8.00	6.70	5.70
7	8	5	15243	10.40	9.70	8.90	7.70	6.50	5.40
7	8	5	15243	10.40	9.80	8.90	7.70	6.50	5.40
7	8	6	19568	12.90	12.10	11.30	9.70	8.10	6.90
7	8	6	19568	12.70	11.90	11.00	9.40	7.90	6.70
7	8	6	19568	12.70	11.90	10.90	9.40	8.00	6.70
7	9	5	14831	11.40	10.70	9.80	8.50	6.90	5.90
7	9	5	14831	10.90	10.40	9.30	8.00	6.70	5.60
7	9	5	14831	11.00	10.40	9.30	8.00	6.70	5.60
7	9	6	18641	13.90	13.10	12.00	10.40	8.50	7.20
7	9	6	18641	13.40	12.60	11.50	9.80	8.30	6.90
7	9	6	18641	13.70	12.90	11.80	10.00	8.40	6.90
7	10	5	15449	10.00	9.40	8.70	7.50	6.10	5.30
7	10	5	15449	9.50	8.90	8.10	7.00	5.80	4.90
7	10	5	15449	9.40	8.90	8.00	7.00	5.70	4.90
7	10	6	20083	12.70	11.10	10.20	8.60	6.90	5.90
7	10	6	20083	12.30	11.00	9.90	8.30	6.70	5.60
7	10	6	20083	12.00	10.90	9.80	8.20	6.70	5.50
7	11	5	15655	10.70	10.10	9.20	8.00	6.70	5.60
7	11	5	15655	10.40	9.80	8.90	7.60	6.40	5.30
7	11	5	15655	10.40	9.80	8.90	7.60	6.30	5.30
7	11	6	19156	13.00	12.30	11.40	9.70	8.00	6.90
7	11	6	19156	13.00	12.20	11.20	9.60	8.00	6.70
7	11	6	19156	13.00	12.20	11.20	9.50	7.90	6.70
7	12	5	15963	11.70	11.00	10.30	9.10	7.50	6.40
7	12	5	15963	11.30	10.70	9.80	8.60	7.20	6.00
7	12	5	15963	11.20	10.60	9.70	8.50	7.10	5.90
7	12	6	19877	14.10	13.40	12.60	11.00	9.10	7.80
7	12	6	19877	14.10	13.40	12.40	10.70	9.00	7.50
7	12	6	19877	14.00	13.20	12.30	10.60	8.90	7.40
7	13	5	15757	11.00	10.40	9.50	8.30	6.90	5.90
7	13	5	15757	10.70	10.10	9.10	7.90	6.60	5.50
7	13	5	15757	10.70	10.10	9.10	7.90	6.60	5.50
7	13	6	19774	13.80	12.90	12.00	10.20	8.50	7.20
7	13	6	19774	13.50	12.70	11.60	10.00	8.30	6.90
7	13	6	19774	13.40	12.60	11.50	9.90	8.20	6.90
7	14	5	15449	11.10	10.20	9.40	8.10	6.60	5.60
7	14	5	15449	10.60	9.90	8.90	7.60	6.30	5.30
7	14	5	15449	10.50	9.80	8.80	7.60	6.30	5.20
7	14	6	19362	13.30	12.30	11.30	9.60	8.00	6.70
7	14	6	19362	13.10	12.20	11.00	9.40	7.80	6.50
7	14	6	19362	13.10	12.20	11.10	9.40	7.80	6.40
7	15	5	15243	10.20	9.70	8.90	7.90	6.70	5.70
7	15	5	15243	10.10	9.60	8.70	7.60	6.50	5.50
7	15	5	15243	10.10	9.50	8.70	7.60	6.50	5.50
7	15	6	19568	12.80	12.00	11.20	9.70	8.10	7.10
7	15	6	19568	12.60	11.90	10.90	9.40	8.10	6.90
7	15	6	19568	12.50	11.80	10.90	9.40	8.00	6.90
7	16	5	15655	10.90	10.20	9.30	8.00	6.50	5.50
7	16	5	15655	10.50	9.80	8.80	7.50	6.10	5.00
7	16	5	15655	10.50	9.70	8.70	7.50	6.10	5.00
7	16	6	19362	13.40	12.30	11.30	9.50	7.80	6.50
7	16	6	19362	13.10	12.20	11.00	9.30	7.60	6.30
7	16	6	19362	13.10	12.10	10.90	9.30	7.60	6.20

SITE 4

1	8	2	5021	13.40	9.05	6.22	3.89	2.55	1.41	.86
1	8	2	5071	10.90	7.36	5.15	3.42	2.36	1.25	.94
1	8	4	10143	22.80	15.70	11.50	7.28	4.88	2.75	1.85
1	8	5	14275	28.90	20.10	15.00	9.80	6.61	3.62	2.48
1	7	2	5001	12.00	7.55	5.15	3.18	2.16	1.25	.74
1	7	2	5081	10.20	6.69	4.68	2.99	2.16	1.33	.94
1	7	4	10178	21.30	14.10	10.20	6.29	4.29	2.67	1.77
1	7	5	14370	27.80	18.80	13.70	8.77	5.94	3.30	2.48
1	6	2	4992	12.40	8.34	5.55	3.50	2.24	1.33	.94
1	6	2	5045	10.20	6.85	4.96	3.11	2.16	1.25	.94
1	6	4	10149	21.80	14.80	10.80	6.57	4.48	2.59	1.65
1	6	5	14338	28.00	19.40	14.20	8.93	6.10	3.62	2.48
1	5	2	4971	11.70	7.95	5.43	3.50	2.36	1.53	.94
1	5	2	5054	10.00	6.85	4.76	3.22	2.36	1.53	1.02
1	5	4	10137	21.20	14.60	10.50	6.81	4.56	2.75	1.85
1	5	5	14399	27.70	19.60	14.10	9.48	6.37	3.74	2.59
1	4	2	4987	10.50	7.36	5.43	3.38	2.36	1.53	.94
1	4	2	5054	9.21	6.37	4.76	3.18	2.24	1.45	.94
1	4	4	10160	19.20	13.60	10.30	6.65	4.48	2.55	1.96
1	4	5	14497	25.30	18.30	14.10	9.21	6.25	3.50	2.59
1	3	2	4998	12.50	8.74	6.29	4.29	2.87	1.45	.94
1	3	2	5087	10.40	7.16	5.43	3.70	2.55	1.65	1.02
1	3	4	10108	22.20	15.50	11.90	7.79	5.27	2.91	1.96
1	3	5	14444	28.60	20.10	15.80	10.50	7.40	4.13	2.79
1	2	2	4998	12.40	8.74	5.94	4.05	2.75	1.53	.94
1	2	2	5048	10.20	6.96	4.96	3.34	2.44	1.65	1.14
1	2	4	10155	21.80	15.30	11.40	7.40	5.00	2.87	2.08
1	2	5	14494	28.00	20.00	14.90	10.00	6.88	4.01	2.79
1	1	2	4974	11.80	7.63	5.07	3.14	2.04	1.25	.74
1	1	2	5060	9.76	6.29	4.25	2.75	1.96	1.14	.94
1	1	4	10149	20.50	13.50	9.56	6.10	3.97	2.04	1.57
1	1	5	14521	26.20	17.70	12.50	8.11	5.47	3.11	2.08
1	9	2	4989	12.30	8.03	5.78	3.77	2.67	1.65	1.06
1	9	2	5051	10.40	6.96	5.15	3.34	2.44	1.53	1.06
1	9	4	10167	22.10	14.80	11.20	7.28	5.19	3.03	2.16
1	9	5	14527	28.90	19.80	15.40	10.30	7.16	4.40	2.87
1	10	2	4983	14.30	9.80	7.08	4.40	2.95	1.65	.94
1	10	2	5042	11.80	7.95	5.94	3.74	2.67	1.53	1.06
1	10	4	10131	25.10	17.40	13.30	8.38	5.59	3.03	2.16
1	10	5	14387	32.30	22.90	17.60	11.30	7.71	4.33	2.87
1	11	2	5007	13.50	8.89	6.29	3.97	2.75	1.77	1.06
1	11	2	5036	11.20	7.55	5.35	3.58	2.55	1.77	1.14
1	11	4	10125	24.10	16.40	12.50	7.79	5.66	3.30	2.12
1	11	5	14446	31.20	21.70	16.80	10.50	7.59	4.40	2.99
1	12	2	4989	12.80	8.42	5.82	3.54	2.44	1.65	1.06
1	12	2	5066	10.80	7.16	5.07	3.22	2.44	1.65	1.02
1	12	4	10190	23.00	15.50	11.20	7.08	5.07	3.11	2.08
1	12	5	14568	30.10	20.80	15.40	9.88	7.08	4.21	2.99
1	13	2	4992	13.00	8.74	6.02	3.74	2.55	1.45	.94
1	13	2	5048	10.90	7.24	4.96	3.34	2.36	1.45	.94
1	13	4	10202	23.20	15.70	11.20	7.40	5.00	2.95	1.96
1	13	5	14588	29.90	20.80	15.20	10.00	6.88	4.13	2.79

1	14	2	4974	13.00	8.42	5.74	3.58	2.55	1.45	.94
1	14	2	5048	10.80	7.04	5.07	3.14	2.36	1.53	1.06
1	14	4	10172	23.30	15.30	11.20	7.08	4.76	2.79	1.96
1	14	5	14570	30.10	20.50	15.40	9.68	6.73	3.93	2.99
1	15	2	4992	14.30	9.17	6.02	3.85	2.67	1.65	1.06
1	15	2	5039	11.50	7.36	5.00	3.34	2.44	1.65	1.06
1	15	4	10164	24.50	16.10	11.40	7.40	5.19	3.11	2.08
1	15	5	14529	31.40	20.80	15.40	10.00	7.08	4.21	2.99
1	16	2	4965	13.30	8.62	6.06	3.62	2.55	1.53	1.06
1	16	2	5048	10.80	6.96	5.00	3.14	2.36	1.53	1.06
1	16	4	10196	22.80	15.10	10.90	7.04	5.00	2.79	2.08
1	16	5	14639	29.50	19.80	14.70	9.68	6.85	3.93	2.79
2	1	5	15550	23.15	13.66	6.18	3.86	2.60	1.85	1.50
2	1	5	15590	23.46	13.74	6.18	3.78	2.60	1.81	1.46
2	1	7	24600	35.39	21.30	9.84	5.91	4.06	2.99	2.40
2	1	8	36110	50.43	30.71	14.33	8.35	5.71	4.25	3.31
2	1	9	47340	65.67	39.80	18.74	10.67	7.05	5.24	4.02
2	2	5	15450	28.27	16.85	7.99	4.76	3.39	2.60	2.05
2	2	5	15630	27.56	16.57	7.95	4.84	3.43	2.60	2.05
2	2	7	24420	42.95	26.42	12.83	7.60	5.31	4.06	3.15
2	2	8	35900	62.20	38.54	18.94	10.98	7.52	5.59	4.41
2	2	9	46730	77.24	49.17	24.37	14.02	9.41	7.09	5.51
2	3	5	15730	27.99	17.24	8.46	5.04	3.50	2.68	2.01
2	3	5	15800	28.39	17.36	8.58	5.08	3.54	2.68	2.05
2	3	7	24460	42.44	27.01	13.58	8.11	5.51	4.06	2.99
2	3	8	35900	59.92	39.21	19.80	11.54	7.76	5.71	4.37
2	3	9	46840	76.10	50.47	25.59	14.72	9.61	6.89	5.31
2	4	5	15340	28.03	16.10	7.56	4.53	3.11	2.44	1.93
2	4	5	15450	26.54	15.67	7.48	4.57	3.03	2.48	2.01
2	4	7	24140	40.98	25.04	12.68	7.24	5.04	3.78	2.91
2	4	8	35900	58.86	36.57	17.99	10.55	7.05	5.24	3.94
2	4	9	46980	57.64	46.57	23.23	13.39	8.90	6.54	5.00
2	5	5	15730	26.73	16.26	7.87	4.92	3.43	2.48	1.93
2	5	5	15550	26.73	16.18	7.87	5.00	3.54	2.44	1.93
2	5	7	24460	40.94	25.83	12.72	7.72	5.35	3.90	2.95
2	5	8	35720	60.35	38.27	18.86	10.98	7.40	5.28	3.98
2	5	9	46770	68.39	49.80	24.57	14.09	9.29	6.61	5.00
2	6	5	15480	26.93	16.02	7.20	4.45	3.07	2.28	1.77
2	6	5	15410	26.02	15.63	7.24	4.41	3.11	2.32	1.81
2	6	7	24170	39.96	24.92	11.61	6.97	4.84	3.66	2.80
2	6	8	35830	50.83	36.89	17.28	10.08	6.77	5.00	3.86
2	6	9	46950	64.92	47.52	22.64	12.91	8.70	6.42	4.92
2	7	5	15200	26.22	15.55	7.20	4.37	3.07	2.32	1.73
2	7	5	15480	25.67	15.43	7.24	4.45	3.11	2.32	1.73
2	7	7	24140	42.01	24.80	11.81	7.01	4.88	3.58	2.72
2	7	8	35790	63.90	36.85	17.64	10.16	6.77	4.92	3.74
2	7	9	47020	71.77	47.72	22.99	13.07	8.58	6.18	4.72
2	8	5	15340	29.61	17.44	7.91	4.76	3.31	2.44	1.81
2	8	5	15340	28.66	16.93	7.80	4.72	3.27	2.44	1.85
2	8	7	24100	43.70	27.17	12.72	7.44	5.12	3.74	2.80
2	8	8	35790	53.70	39.80	19.02	10.83	7.20	5.20	3.86
2	8	9	46770	80.87	50.98	24.76	13.86	8.98	6.34	4.88
2	9	5	15630	28.82	16.97	7.99	5.00	3.31	2.36	1.89
2	9	5	15480	27.24	16.26	7.83	4.76	3.31	2.48	1.93

2	9	7	24460	42.60	26.34	12.87	7.72	5.28	3.86	3.03
2	9	8	35580	61.18	38.43	18.90	11.10	7.36	5.39	4.17
2	9	9	47020	68.78	49.25	24.72	14.17	9.29	6.73	5.31
2	10	5	15270	29.49	17.95	8.31	5.12	3.54	2.60	2.17
2	10	5	15380	27.60	17.05	8.15	5.12	3.54	2.60	2.24
2	10	7	24240	42.52	27.24	13.43	8.23	5.71	4.33	3.35
2	10	8	35610	55.31	39.80	20.00	11.97	8.19	6.10	4.88
2	10	9	46770	66.06	50.94	25.87	15.39	10.47	7.80	6.18
2	11	5	15300	29.84	17.28	7.76	4.72	3.39	2.48	1.89
2	11	5	15270	28.62	16.73	7.68	4.76	3.39	2.52	1.97
2	11	7	24060	44.09	27.01	12.68	7.64	5.35	3.94	3.07
2	11	8	35470	52.44	39.37	18.90	11.18	7.68	5.71	4.45
2	11	9	46700	79.37	50.12	24.53	14.45	9.80	7.28	5.67
2	12	5	15230	33.82	18.54	8.15	4.76	3.19	2.32	1.85
2	12	5	15270	29.49	16.57	7.68	4.69	3.23	2.44	1.81
2	12	7	24140	44.37	27.09	12.87	7.56	5.20	3.90	2.95
2	12	8	35510	53.74	39.33	19.13	11.06	7.40	5.43	4.21
2	12	9	46730	71.42	50.00	24.61	14.17	9.33	6.89	5.51
2	13	5	15160	31.30	17.80	8.39	5.16	3.66	2.76	2.09
2	13	5	15160	29.61	17.28	8.27	5.16	3.62	2.72	2.05
2	13	7	23990	45.51	28.31	13.74	8.39	5.79	4.25	3.27
2	13	8	35540	65.20	41.38	20.43	12.13	8.27	6.10	4.65
2	13	9	46770	67.80	52.80	26.57	15.59	10.47	7.68	5.87
2	14	5	15050	36.57	21.26	9.45	5.39	3.66	2.68	2.01
2	14	5	15090	31.50	19.02	9.06	5.35	3.70	2.80	2.09
2	14	7	23890	49.02	30.87	15.00	8.66	5.79	4.17	3.15
2	14	8	35400	69.92	44.57	21.85	12.52	8.23	5.94	4.41
2	14	9	46340	86.93	56.81	28.39	15.98	10.24	7.24	5.47
2	15	5	14910	36.02	20.91	9.09	4.84	3.15	2.32	1.77
2	15	5	15120	33.62	19.80	8.82	4.80	3.19	2.40	1.89
2	15	7	23740	51.81	32.05	14.61	7.68	5.04	3.74	2.95
2	15	8	35220	64.72	45.91	21.30	11.14	6.97	5.08	4.06
2	15	9	46160	72.64	57.72	27.28	14.06	8.74	6.38	5.08
2	16	5	15230	32.60	18.43	8.86	5.24	3.66	2.68	2.01
2	16	5	15230	28.82	17.40	8.94	5.24	3.74	2.80	2.13
2	16	7	24140	44.65	28.07	14.09	8.31	5.75	4.25	3.23
2	16	8	35510	63.43	40.94	20.63	12.01	8.11	5.94	4.41
2	16	9	46520	74.37	52.68	26.69	15.51	10.16	7.28	5.47
3	1	1	1000	.65	.42	.27	.16	.12		
3	2	1	1000	.73	.51	.33	.20	.15		
3	3	1	1000	.75	.52	.33	.19	.14		
3	4	1	1000	.69	.47	.30	.18	.13		
3	5	1	1000	.71	.48	.31	.18	.14		
3	6	1	1000	.70	.47	.29	.17	.13		
3	7	1	1000	.68	.46	.30	.17	.13		
3	8	1	1000	.77	.51	.32	.18	.14		
3	16	1	1000	.72	.49	.32	.19	.14		
3	15	1	1000	.72	.48	.32	.19	.15		
3	14	1	1000	.71	.47	.31	.19	.15		
3	13	1	1000	.73	.50	.32	.19	.15		
3	12	1	1000	.73	.49	.32	.19	.14		
3	11	1	1000	.74	.50	.31	.19	.14		
3	10	1	1000	.81	.55	.35	.21	.15		
3	9	1	1000	.78	.55	.36	.22	.16		

4	1	4	9693	21.02	8.66	3.90	2.36	1.77	1.26	1.10
4	1	4	9613	19.29	8.23	3.70	2.28	1.69	1.22	1.06
4	1	5	14412	27.95	12.13	5.51	3.35	2.44	1.77	1.57
4	1	7	24407	44.49	19.65	8.94	5.28	3.90	2.80	2.56
4	2	4	9470	22.87	10.39	4.96	3.07	2.28	1.65	1.46
4	2	4	9455	21.14	9.80	4.76	3.03	2.24	1.65	1.42
4	2	5	14237	30.79	14.72	7.05	4.37	3.27	2.40	2.05
4	2	7	24296	49.41	24.13	11.54	6.93	5.16	3.74	3.31
4	3	4	9423	22.99	10.98	5.12	3.11	2.28	1.61	1.46
4	3	4	9391	21.34	10.31	4.92	3.03	2.24	1.57	1.42
4	3	5	14190	31.26	15.39	7.32	4.41	3.23	2.28	2.01
4	3	7	24232	49.57	24.92	11.97	7.09	5.12	3.58	3.15
4	4	4	9439	19.88	9.76	4.57	2.83	2.05	1.50	1.26
4	4	4	9455	18.62	9.33	4.41	2.80	2.05	1.50	1.22
4	4	5	14222	27.56	13.94	6.54	4.06	2.95	2.13	1.85
4	4	7	24391	44.57	22.87	10.75	6.46	4.69	3.43	2.91
4	5	4	9375	23.11	10.47	4.76	2.99	2.24	1.57	1.42
4	5	4	9423	21.02	9.76	4.61	2.91	2.17	1.57	1.34
4	5	5	14110	30.91	14.69	6.85	4.25	3.19	2.28	1.97
4	5	7	24296	50.63	24.41	11.34	6.85	5.00	3.54	3.11
4	6	4	9391	22.52	10.47	4.53	2.80	2.01	1.46	1.30
4	6	4	9439	20.55	9.72	4.37	2.72	1.97	1.42	1.26
4	6	5	14126	30.04	14.33	6.42	3.90	2.83	2.09	1.89
4	6	7	24359	48.54	23.66	10.59	6.26	4.57	3.31	2.91
4	7	4	9423	22.52	10.04	4.53	2.80	2.01	1.42	1.22
4	7	4	9423	20.59	9.41	4.37	2.76	1.97	1.42	1.18
4	7	5	14174	30.24	14.13	6.46	3.98	2.87	2.05	1.73
4	7	7	24343	48.82	23.31	10.67	6.34	4.65	3.23	2.80
4	8	4	9343	23.35	10.71	4.88	2.95	2.09	1.50	1.26
4	8	4	9327	21.77	10.16	4.69	2.91	2.05	1.50	1.22
4	8	5	14110	31.69	15.16	6.97	4.21	3.03	2.17	1.81
4	8	7	24264	50.35	24.72	11.42	6.77	4.84	3.46	2.91
4	9	4	9312	22.83	11.26	5.35	3.35	2.40	1.73	1.42
4	9	4	9327	21.22	10.71	5.20	3.31	2.40	1.73	1.42
4	9	5	13967	30.98	16.02	7.72	4.80	3.46	2.48	1.97
4	9	7	24328	50.31	26.46	12.80	7.72	5.51	3.98	3.11
4	10	4	9232	25.98	12.68	5.59	3.27	2.32	1.69	1.46
4	10	4	9216	23.82	11.81	5.35	3.23	2.28	1.69	1.42
4	10	5	13999	35.00	17.95	8.15	4.72	3.35	2.44	2.13
4	10	7	24169	56.02	29.13	13.50	7.56	5.28	3.82	3.31
4	11	4	9232	24.65	11.65	5.47	3.39	2.48	1.73	1.54
4	11	4	9296	22.83	11.02	5.28	3.31	2.44	1.73	1.50
4	11	5	13999	33.31	16.57	7.99	4.96	3.54	2.52	2.13
4	11	7	24264	54.66	27.56	13.43	8.07	5.71	4.09	3.39
4	12	4	9312	24.06	10.47	5.04	3.23	2.32	1.69	1.46
4	12	4	9312	21.97	10.08	4.92	3.19	2.32	1.69	1.42
4	12	5	13983	32.05	15.24	7.36	4.69	3.39	2.44	2.05
4	12	7	24296	52.56	25.71	12.52	7.72	5.51	4.06	3.50
4	13	4	9343	22.91	10.39	4.80	2.99	2.09	1.50	1.26
4	13	4	9264	21.26	9.88	4.61	2.87	2.05	1.50	1.22
4	13	5	14047	31.26	15.00	6.97	4.29	3.11	2.20	1.89
4	13	7	24328	50.59	24.92	11.65	7.01	5.04	3.62	3.15
4	14	4	9312	23.74	9.88	4.57	2.87	2.17	1.54	1.30
4	14	4	9296	21.93	9.57	4.45	2.87	2.13	1.54	1.26

4	14	5	14031	31.89	14.45	6.73	4.21	3.11	2.24	1.93
4	14	7	24280	51.77	24.17	11.46	7.01	5.04	3.70	3.23
4	15	4	9423	23.07	10.43	5.00	3.15	2.32	1.73	1.50
4	15	4	9359	21.57	9.96	4.84	3.11	2.28	1.73	1.50
4	15	5	14126	31.65	14.92	7.24	4.57	3.39	2.52	2.17
4	15	7	24359	50.94	24.69	12.09	7.48	5.51	4.13	3.58
4	16	4	9327	23.62	9.96	4.80	2.99	2.17	1.54	1.26
4	16	4	9327	21.50	9.61	4.72	2.95	2.13	1.54	1.26
4	16	5	14079	31.38	14.49	7.01	4.33	3.15	2.24	1.89
4	16	7	24296	51.02	24.13	11.65	7.01	5.04	3.62	3.07
5	9	2	4930	5.70	2.80	1.80	1.30			
5	9	2	4940	5.70	2.80	1.80	1.30			
5	9	2	5030	5.60	2.80	1.80	1.30			
5	9	3	6780	8.60	4.10	2.60	1.90			
5	9	3	6910	8.60	4.10	2.60	1.90			
5	9	3	6990	8.60	4.10	2.60	1.90			
5	10	2	4930	6.20	2.90	1.90	1.30			
5	10	2	5010	6.30	2.90	1.80	1.30			
5	10	2	5010	6.30	2.90	1.80	1.40			
5	10	3	6880	9.40	4.30	2.60	1.90			
5	10	3	6820	9.40	4.20	2.60	1.90			
5	10	3	6780	9.30	4.20	2.60	1.90			
5	11	2	5000	6.10	3.00	1.90	1.40			
5	11	2	5030	6.20	3.00	1.90	1.40			
5	11	2	5080	6.20	3.00	1.90	1.40			
5	11	3	6770	9.10	4.30	2.70	2.00			
5	11	3	6910	9.20	4.30	2.80	2.00			
5	11	3	6850	9.30	4.30	2.80	2.00			
5	12	2	5140	5.80	2.70	1.70	1.30			
5	12	2	5160	5.80	2.70	1.70	1.30			
5	12	2	5070	5.80	2.70	1.80	1.30			
5	12	3	6920	8.80	3.90	2.50	1.80			
5	12	3	6890	8.80	4.00	2.50	1.80			
5	12	3	6950	8.80	4.00	2.80	1.80			
5	13	2	5020	5.60	2.50	1.70	1.20			
5	13	2	5090	5.70	2.60	1.70	1.20			
5	13	2	5110	5.80	2.60	1.70	1.20			
5	13	3	6910	8.60	3.70	2.40	1.70			
5	13	3	6920	8.70	3.70	2.40	1.70			
5	13	3	6750	8.60	3.70	2.40	1.70			
5	14	2	4990	5.70	2.60	1.70	1.30			
5	14	2	5090	5.70	2.60	1.60	1.30			
5	14	2	5080	5.80	2.60	1.60	1.30			
5	14	3	6870	8.70	3.70	2.40	1.80			
5	14	3	6900	8.80	3.70	2.40	1.80			
5	14	3	6940	8.80	3.80	2.40	1.80			
5	15	2	5030	5.90	2.70	1.80	1.40			
5	15	2	5010	6.00	2.80	1.80	1.40			
5	15	2	5120	6.00	2.80	1.80	1.40			
5	15	3	6840	9.00	4.10	2.60	2.00			
5	15	3	6810	9.10	4.00	2.60	1.90			
5	15	3	6880	9.10	4.00	2.60	2.00			
5	16	2	5020	5.60	2.50	1.60	1.10			
5	16	2	5030	5.60	2.50	1.60	1.10			

5	16	2	5030	5.60	2.50	1.60	1.10	
5	16	3	6850	8.40	3.60	2.30	1.60	
5	16	3	6900	8.40	3.60	2.30	1.60	
5	16	3	6920	8.50	3.60	2.30	1.60	
5	8	2	5070	5.50	2.40	1.40	1.00	
5	8	2	5170	5.50	2.40	1.50	1.00	
5	8	2	5070	5.60	2.50	1.50	1.00	
5	8	3	6900	8.30	3.50	2.10	1.40	
5	8	3	6890	8.30	3.50	2.10	1.40	
5	8	3	6930	8.30	3.50	2.00	1.40	
5	7	2	5040	4.90	2.10	1.30	.90	
5	7	2	5030	5.20	2.10	1.30	1.00	
5	7	2	5130	5.10	2.10	1.40	.90	
5	7	3	6980	7.60	3.00	1.90	1.30	
5	7	3	6920	7.60	3.00	1.90	1.30	
5	7	3	6850	7.60	3.00	1.90	1.30	
5	6	2	5050	5.20	2.30	1.40	1.00	
5	6	2	5100	5.20	2.30	1.40	1.00	
5	6	2	5200	5.20	2.30	1.40	1.00	
5	6	3	6900	7.80	3.30	2.00	1.40	
5	6	3	6970	7.60	3.20	2.00	1.40	
5	6	3	6860	7.60	3.20	2.00	1.40	
5	5	2	5090	5.30	2.40	1.50	1.00	
5	5	2	5070	5.50	2.40	1.50	1.10	
5	5	2	5140	5.40	2.40	1.50	1.10	
5	5	3	6930	8.10	3.50	2.10	1.50	
5	5	3	6910	8.10	3.40	2.20	1.50	
5	5	3	6880	8.10	3.50	2.10	1.50	
5	4	2	4910	4.90	2.30	1.40	1.00	
5	4	2	5070	5.10	2.30	1.40	1.10	
5	4	2	5050	5.10	2.30	1.50	1.00	
5	4	3	6920	7.70	3.30	2.10	1.50	
5	4	3	6910	7.80	3.40	2.10	1.50	
5	4	3	6890	7.60	3.40	2.10	1.40	
5	3	2	5090	5.40	2.60	1.60	1.20	
5	3	2	5040	5.50	2.50	1.70	1.20	
5	3	2	5100	5.50	2.60	1.60	1.20	
5	3	3	6950	8.30	3.70	2.30	1.60	
5	3	3	6880	8.30	3.70	2.30	1.60	
5	3	3	6880	8.20	3.70	2.30	1.60	
5	2	2	5030	5.50	2.50	1.60	1.20	
5	2	2	5070	5.60	2.50	1.70	1.20	
5	2	2	5110	5.50	2.50	1.70	1.20	
5	2	3	7020	8.20	3.60	2.30	1.70	
5	2	3	6870	8.10	3.60	2.30	1.70	
5	2	3	6970	8.10	3.60	2.30	1.70	
5	1	2	5120	4.70	1.90	1.10	.80	
5	1	2	5060	4.80	1.80	1.10	.80	
5	1	2	5070	4.70	1.80	1.10	.80	
5	1	3	6930	7.00	2.60	1.60	1.10	
5	1	3	6920	7.10	2.60	1.60	1.10	
5	1	3	6900	7.00	2.60	1.60	1.10	
6	16	4	10059	8.70	6.90	2.61	1.67	1.15
6	16	5	14486	14.30	11.32	4.22	2.63	1.82

6	15	4	10589	9.81	7.92	3.16	2.08	1.47
6	15	5	15153	15.27	12.61	4.76	3.03	2.14
6	14	4	10201	9.02	7.01	2.83	1.85	1.31
6	14	5	14739	14.27	10.99	4.20	2.71	1.92
6	13	4	10694	9.65	7.77	2.90	1.85	1.30
6	13	5	15006	14.81	12.03	4.23	2.68	1.89
6	12	4	10265	9.46	7.40	3.03	1.92	1.31
6	12	5	14895	15.05	11.73	4.55	2.85	1.95
6	11	4	10746	10.41	8.26	3.26	2.04	1.36
6	11	5	15473	16.49	13.23	4.88	3.01	1.99
6	10	4	10313	9.71	7.81	2.95	1.81	1.22
6	10	5	14911	15.47	12.45	4.39	2.64	1.78
6	9	4	10511	9.36	7.72	3.01	1.89	1.28
6	9	5	14716	14.17	11.67	4.33	2.69	1.81
6	1	4	10459	7.67	5.73	2.14	1.36	.94
6	1	5	14746	11.76	8.63	3.09	1.94	1.34
6	2	4	10300	8.76	6.86	2.76	1.80	1.27
6	2	5	15041	14.08	10.94	4.20	2.69	1.89
6	3	4	10516	9.07	7.06	2.80	1.73	1.17
6	3	5	14862	14.02	10.77	4.18	2.51	1.70
6	4	4	10262	8.30	6.52	2.52	1.58	1.08
6	4	5	15011	13.39	10.38	3.81	2.67	1.62
6	5	4	10617	9.14	7.24	2.81	1.71	1.16
6	5	5	15079	14.18	11.17	4.12	2.49	1.68
6	6	4	10400	8.60	6.94	2.54	1.62	1.14
6	6	5	14606	13.86	11.28	3.98	2.50	1.77
6	7	4	10199	8.25	6.23	2.50	1.52	1.04
6	7	5	14969	13.37	10.09	3.78	2.29	1.56
6	8	4	10179	8.86	6.90	2.60	1.60	1.08
6	8	5	15503	15.06	11.66	4.15	2.51	1.70
7	1	5	14625	28.90	14.00	6.50	3.50	2.40 1.90
7	1	5	14625	25.40	12.60	5.90	3.30	2.30 1.80
7	1	5	14625	24.80	12.40	5.80	3.30	2.30 1.90
7	1	6	18538	32.30	15.80	7.30	4.00	2.80 2.20
7	1	6	18538	29.60	15.00	7.00	4.00	2.80 2.10
7	1	6	18538	29.10	14.90	7.00	4.00	2.80 2.10
7	2	5	14625	33.00	16.00	7.80	4.40	3.10 2.50
7	2	5	14625	28.30	14.80	7.40	4.30	3.10 2.40
7	2	5	14625	27.20	14.60	7.40	4.30	3.10 2.40
7	2	6	18538	37.40	19.70	9.60	5.40	3.70 3.00
7	2	6	18538	33.40	18.00	9.00	5.30	3.80 3.00
7	2	6	18538	32.60	17.80	9.00	5.30	3.80 2.90
7	3	5	14419	32.40	17.60	8.60	4.70	3.10 2.40
7	3	5	14419	28.10	15.60	7.80	4.50	3.10 2.30
7	3	5	14419	27.30	15.30	7.80	4.40	3.10 2.30
7	3	6	17920	35.20	19.20	9.80	5.40	3.70 2.90
7	3	6	17920	32.90	18.50	9.50	5.40	3.70 3.00
7	3	6	17920	32.30	18.30	9.40	5.40	3.70 3.00
7	4	5	14419	30.00	16.30	7.80	4.20	2.80 2.40
7	4	5	14419	25.40	14.20	7.00	4.10	2.80 2.30
7	4	5	14419	24.40	13.90	7.00	4.00	2.90 2.20
7	4	6	18126	31.50	17.60	8.90	5.00	3.40 2.60
7	4	6	18126	29.40	16.90	8.60	4.90	3.40 2.60
7	4	6	18126	29.00	16.70	8.60	4.90	3.40 2.60

7	5	5	14831	32.70	17.20	8.00	4.40	3.00	2.40
7	5	5	14831	27.70	15.00	7.30	4.30	3.00	2.30
7	5	5	14831	26.60	14.60	7.20	4.20	3.00	2.20
7	5	6	18332	34.20	18.40	8.90	5.10	3.50	2.80
7	5	6	18332	32.10	17.80	8.80	5.10	3.60	2.70
7	5	6	18332	31.40	17.60	8.70	5.10	3.60	2.70
7	6	5	14625	32.50	14.90	6.80	3.80	2.70	2.20
7	6	5	14625	27.40	13.70	6.50	3.80	2.70	2.10
7	6	5	14625	26.30	13.50	6.50	3.90	2.70	2.00
7	6	6	18332	34.20	17.30	8.10	4.60	3.10	2.50
7	6	6	18332	31.70	16.60	8.00	4.60	3.20	2.50
7	6	6	18332	31.10	16.50	7.90	4.60	3.20	2.50
7	7	5	14213	31.10	15.20	6.90	4.00	2.70	2.10
7	7	5	14213	27.30	13.80	6.50	3.80	2.70	2.00
7	7	5	14213	26.50	13.60	6.40	3.80	2.70	2.00
7	7	6	17714	34.40	17.30	8.10	4.60	3.10	2.60
7	7	6	17714	32.10	16.70	8.00	4.60	3.20	2.60
7	7	6	17714	31.40	16.50	7.90	4.60	3.20	2.60
7	8	5	14522	35.10	16.60	7.50	4.20	2.90	2.40
7	8	5	14522	29.40	15.20	7.10	4.10	2.90	2.30
7	8	5	14522	28.30	15.00	7.10	4.10	2.80	2.20
7	8	6	18023	37.00	19.10	8.90	5.00	3.30	2.60
7	8	6	18023	34.30	18.40	8.70	5.00	3.40	2.60
7	8	6	18023	33.60	18.20	8.70	4.90	3.40	2.60
7	16	5	14213	33.30	16.20	7.60	4.30	2.90	2.20
7	16	5	14213	28.30	14.30	7.00	4.10	2.90	2.20
7	16	5	14213	27.50	14.10	6.90	4.10	2.90	2.20
7	16	6	18332	35.90	18.10	8.80	5.00	3.40	2.70
7	16	6	18332	33.30	17.40	8.60	5.00	3.50	2.70
7	16	6	18332	32.80	17.20	8.50	5.00	3.50	2.70
7	15	5	14213	34.70	16.20	7.70	4.40	3.10	2.50
7	15	5	14213	29.80	14.70	7.30	4.40	3.20	2.50
7	15	5	14213	28.90	14.60	7.30	4.50	3.20	2.50
7	15	6	18332	37.70	18.60	9.30	5.50	3.90	3.10
7	15	6	18332	34.90	17.90	9.00	5.40	3.90	3.00
7	15	6	18332	34.30	17.70	9.00	5.40	3.90	3.00
7	14	5	14316	37.90	17.30	7.60	4.30	3.00	2.40
7	14	5	14316	30.60	14.80	6.90	4.10	3.00	2.20
7	14	5	14316	29.30	14.50	6.90	4.10	3.00	2.20
7	14	6	17714	38.30	18.60	8.70	5.20	3.60	2.90
7	14	6	17714	35.30	17.90	8.60	5.10	3.70	2.80
7	14	6	17714	34.50	17.70	8.50	5.10	3.60	2.80
7	13	5	14831	38.00	17.20	7.40	4.20	2.90	2.30
7	13	5	14831	30.20	14.80	7.00	4.10	3.00	2.20
7	13	5	14831	29.10	14.60	7.00	4.20	3.00	2.20
7	13	6	17714	38.00	18.70	8.90	5.20	3.60	2.80
7	13	6	17714	34.80	17.80	8.60	5.10	3.60	2.80
7	13	6	17714	34.20	17.60	8.50	5.10	3.60	2.70
7	12	5	14213	34.00	16.40	7.80	4.50	3.10	2.50
7	12	5	14213	29.40	15.10	7.50	4.50	3.10	2.40
7	12	5	14213	28.60	15.00	7.40	4.50	3.10	2.40
7	12	6	18126	37.00	19.10	9.40	5.50	3.80	3.00
7	12	6	18126	34.60	18.50	9.30	5.50	3.90	3.00
7	12	6	18126	34.10	18.30	9.30	5.50	3.90	3.00

7	11	5	14419	34.90	17.40	8.30	4.70	3.30	2.50
7	11	5	14419	30.70	16.00	7.90	4.70	3.30	2.50
7	11	5	14419	29.80	15.80	7.90	4.60	3.30	2.50
7	11	6	18126	39.00	20.40	10.10	5.80	4.00	3.10
7	11	6	18126	36.30	19.60	9.80	5.70	4.00	3.00
7	11	6	18126	35.70	19.50	9.80	5.70	4.00	3.00
7	10	5	14213	37.00	19.40	8.90	4.80	3.20	2.50
7	10	5	14213	31.60	17.00	8.10	4.60	3.20	2.40
7	10	5	14213	30.60	16.70	8.00	4.50	3.20	2.40
7	10	6	17920	40.00	21.50	10.20	5.60	3.80	3.00
7	10	6	17920	37.00	20.60	9.90	5.60	3.90	3.00
7	10	6	17920	36.30	20.40	9.90	5.60	3.90	3.00
7	9	5	14213	30.40	15.50	7.60	4.60	3.30	2.50
7	9	5	14213	28.10	15.00	7.60	4.60	3.30	2.40
7	9	5	14213	27.80	15.00	7.60	4.60	3.30	2.40
7	9	6	17920	36.70	19.00	9.60	5.60	3.90	3.10
7	9	6	17920	34.10	18.40	9.40	5.60	3.90	3.00
7	9	6	17920	33.70	18.30	9.40	5.60	3.90	3.00

SITE 5

1	8	2	5113	5.59	3.66	2.63	1.65	1.14	.43	.35
1	8	2	5160	5.27	3.46	2.67	1.65	1.18	.62	.35
1	8	4	10178	11.10	7.24	5.62	3.62	2.44	1.25	.74
1	8	5	14470	14.90	10.10	7.83	5.23	3.66	1.77	.86
1	7	2	5030	4.56	2.95	2.24	1.73	1.25	.62	.43
1	7	2	5119	4.29	2.87	2.20	1.73	1.10	.62	.23
1	7	4	10208	8.89	5.98	4.92	3.54	2.67	1.14	.74
1	7	5	14511	12.20	8.54	6.96	5.35	3.97	2.04	.94
1	6	2	5071	4.56	2.95	2.51	1.65	1.14	.62	.35
1	6	2	5134	4.48	2.87	2.28	1.69	1.14	.70	.23
1	6	4	10214	9.13	6.18	5.15	3.62	2.67	1.33	.62
1	6	5	14559	12.40	8.77	7.28	5.35	3.77	1.85	1.06
1	5	2	5028	4.76	3.14	2.28	1.73	1.14	.55	.35
1	5	2	5104	4.68	3.14	2.36	1.73	1.14	.55	.35
1	5	4	10208	9.52	6.57	5.19	3.62	2.55	1.14	.62
1	5	5	14515	13.00	9.17	7.36	5.23	3.66	1.77	.94
1	4	2	5018	6.49	3.46	2.36	1.65	1.14	.55	.35
1	4	2	5113	5.98	3.38	2.28	1.65	1.14	.43	.23
1	4	4	10190	11.70	6.92	5.07	3.46	2.44	1.14	.55
1	4	5	14517	15.80	9.84	7.36	5.03	3.50	1.65	.94
1	3	2	5072	6.81	4.13	2.95	1.73	1.14	.43	.35
1	3	2	5116	6.37	3.85	2.67	1.73	1.06	.55	.35
1	3	4	10178	12.90	7.99	5.94	3.62	2.24	.94	.62
1	3	5	14527	17.40	11.20	8.42	5.35	3.26	1.41	.74
1	2	2	5022	5.27	3.46	2.48	1.65	1.06	.43	.35
1	2	2	5098	5.07	3.34	2.48	1.53	1.14	.62	.35
1	2	4	10178	10.40	6.92	5.27	3.54	2.24	1.06	.55
1	2	5	14599	14.20	9.84	7.55	5.15	3.46	1.53	.94
1	1	2	4995	5.90	3.66	2.55	1.73	1.06	.43	.39
1	1	2	5122	5.59	3.34	2.36	1.53	.94	.43	.35
1	1	4	10190	11.40	7.24	5.62	3.54	2.24	1.14	.62
1	1	5	14621	15.80	10.40	8.03	5.15	3.14	1.33	.74
1	16	2	5101	8.30	4.44	2.87	1.73	.98	.43	.35

1	16	2	5119	7.71	4.25	2.87	1.85	.94	.55	.35
1	16	4	10243	15.20	8.66	6.10	3.89	2.32	1.06	.55
1	16	5	14704	20.40	12.00	8.70	5.59	3.38	1.49	.86
1	15	2	5081	6.61	4.48	3.22	2.04	1.25	.62	.23
1	15	2	5113	6.29	4.25	3.14	1.85	1.14	.62	.43
1	15	4	10202	12.90	8.89	6.61	4.29	2.55	1.14	.55
1	15	5	14698	17.50	12.20	9.29	5.90	3.85	1.77	.86
1	14	2	5063	9.37	5.00	3.34	1.92	1.06	.43	.35
1	14	2	5120	8.81	4.72	3.14	1.85	1.06	.55	.23
1	14	4	10264	17.20	9.84	6.96	4.33	2.44	1.14	.62
1	14	5	14769	22.70	13.60	9.96	6.02	3.66	1.53	.94
1	13	2	5078	8.50	4.72	3.34	2.04	1.14	.43	.35
1	13	2	5092	7.95	4.44	3.14	1.92	1.14	.55	.35
1	13	4	10237	15.90	9.37	6.81	4.33	2.67	1.06	.74
1	13	5	14822	21.20	12.80	9.68	6.10	3.66	1.45	.86
1	12	2	5054	7.71	4.33	3.34	2.12	1.25	.35	.43
1	12	2	5107	7.08	4.13	3.14	1.85	1.14	.43	.35
1	12	4	10243	14.60	8.77	6.69	4.33	2.75	1.25	.62
1	12	5	14677	19.60	12.20	9.68	6.37	4.17	1.81	.86
1	11	2	4992	7.91	4.13	2.87	2.00	1.25	.55	.35
1	11	2	5113	7.00	3.85	2.55	1.73	1.14	.55	.43
1	11	4	10267	14.30	8.22	5.94	3.93	2.55	1.18	.74
1	11	5	14763	19.00	11.40	8.46	5.82	3.77	1.69	.94
1	10	2	5060	7.20	4.13	2.95	2.04	1.33	.74	.35
1	10	2	5101	6.49	3.93	2.95	1.92	1.33	.74	.43
1	10	4	10231	13.40	8.26	6.41	4.33	2.95	1.41	.74
1	10	5	14829	18.10	11.60	9.09	6.33	4.37	2.12	1.25
1	9	2	5042	8.11	4.33	2.95	1.85	1.25	.43	.51
1	9	2	5104	7.51	4.05	2.95	1.73	1.25	.55	.35
1	9	4	10244	15.20	8.77	6.41	4.33	2.75	1.18	.74
1	9	5	14843	20.40	12.00	9.37	6.02	4.05	1.88	1.06
2	1	5	16380	14.96	8.54	3.78	1.61	.91	.75	.51
2	1	5	16050	14.09	8.15	3.62	1.57	.83	.63	.51
2	1	7	25350	22.52	13.54	6.10	2.72	1.46	1.10	.91
2	1	8	36900	34.17	20.20	9.41	4.29	2.28	1.65	1.46
2	1	9	48840	40.67	25.63	12.20	5.71	3.03	2.20	1.89
2	2	5	15950	13.15	7.60	3.62	1.61	1.10	.59	.47
2	2	5	15910	12.44	7.36	3.54	1.57	.98	.67	.51
2	2	7	25210	19.68	12.28	5.98	2.68	1.46	1.10	.91
2	2	8	37110	30.24	18.35	9.09	4.25	2.32	1.69	1.46
2	2	9	49060	39.80	23.27	11.73	5.59	3.07	2.32	1.97
2	3	5	15480	13.86	8.15	3.62	1.42	.79	.59	.51
2	3	5	15410	13.19	7.87	3.54	1.38	.79	.59	.51
2	3	7	25070	21.57	13.11	6.06	2.36	1.30	.98	.83
2	3	8	36970	32.17	19.57	9.13	3.66	1.97	1.46	1.26
2	3	9	48910	40.35	24.69	11.69	4.84	2.60	1.93	1.69
2	4	5	15770	14.41	7.60	3.90	1.81	.98	.59	.51
2	4	5	15660	13.54	7.36	3.78	1.81	.98	.63	.51
2	4	7	24960	22.17	12.20	6.34	3.19	1.65	1.06	.79
2	4	8	37290	32.83	18.78	9.84	4.96	2.64	1.69	1.30
2	4	9	49200	41.89	23.90	12.83	6.61	3.50	2.24	1.73
2	5	5	15730	11.54	7.52	3.90	1.89	.94	.63	.47
2	5	5	15550	11.06	7.28	3.74	1.81	.94	.63	.51
2	5	7	25210	18.39	12.24	6.50	3.15	1.65	1.06	.83

2	5	8	37190	28.39	18.58	10.00	4.96	2.60	1.65	1.34
2	5	9	49310	35.83	23.78	12.99	6.57	3.50	2.24	1.77
2	6	5	15880	11.30	7.48	4.06	2.09	1.10	.67	.51
2	6	5	15700	10.98	7.20	3.98	2.01	1.02	.67	.51
2	6	7	25070	17.76	12.05	6.65	3.46	1.81	1.14	.83
2	6	8	37260	26.77	18.19	10.20	5.35	2.87	1.77	1.34
2	6	9	49130	34.53	23.19	13.23	7.09	3.82	2.40	1.77
2	7	5	15910	11.06	7.52	4.13	2.17	1.14	.67	.43
2	7	5	15800	10.75	7.28	4.06	2.09	1.14	.71	.47
2	7	7	25170	17.56	12.13	6.85	3.58	1.89	1.14	.75
2	7	8	37400	26.81	18.31	10.43	5.51	2.91	1.81	1.30
2	7	9	48990	34.61	23.39	13.54	7.24	3.90	2.40	1.77
2	8	5	15380	14.06	8.46	4.09	1.89	.98	.63	.55
2	8	5	15520	13.54	8.15	3.98	1.85	.98	.67	.55
2	8	7	24560	21.93	13.43	6.65	3.11	1.65	1.10	.83
2	8	8	36830	32.05	19.88	10.04	4.88	2.52	1.69	1.34
2	8	9	48590	40.28	25.04	12.87	6.38	3.35	2.24	1.77
2	9	5	15980	16.97	9.80	4.69	2.20	1.10	.59	.51
2	9	5	15880	16.22	9.49	4.49	2.17	1.02	.51	.51
2	9	7	25240	25.67	15.63	7.68	3.78	1.65	1.06	.83
2	9	8	36580	37.80	22.80	11.54	5.75	2.68	1.61	1.30
2	9	9	48490	49.02	28.62	14.69	7.36	3.54	2.17	1.65
2	10	5	16020	15.08	9.29	4.76	2.44	1.18	.79	.51
2	10	5	15910	14.13	8.90	4.72	2.24	1.26	.83	.55
2	10	7	24960	23.50	14.88	8.07	4.21	2.17	1.18	.87
2	10	8	36830	34.69	22.20	12.28	6.50	3.39	1.93	1.38
2	10	9	48990	43.39	28.03	15.71	8.43	4.61	2.68	1.89
2	11	5	15880	15.71	8.74	4.21	1.89	.91	.59	.43
2	11	5	15910	15.00	8.43	4.06	1.85	.91	.59	.47
2	11	7	25240	24.37	14.21	7.01	3.15	1.57	.94	.75
2	11	8	36790	37.28	21.38	10.79	5.04	2.44	1.50	1.22
2	11	9	48490	46.18	27.28	13.90	6.65	3.31	2.05	1.61
2	12	5	15770	16.73	9.61	4.49	2.01	1.18	.63	.51
2	12	5	15450	15.55	9.29	4.33	1.89	1.18	.63	.51
2	12	7	24670	25.47	15.51	7.68	3.43	1.61	.94	.79
2	12	8	36440	38.31	23.15	11.77	5.47	2.68	1.61	1.26
2	12	9	48410	46.89	29.17	14.96	7.17	3.62	2.13	1.61
2	13	5	15630	17.44	9.88	4.21	1.61	.79	.55	.55
2	13	5	15520	16.38	9.53	4.09	1.57	.79	.51	.51
2	13	7	24740	25.75	15.39	6.89	2.72	1.30	.91	.79
2	13	8	36330	38.54	22.32	10.28	4.29	2.09	1.46	1.26
2	13	9	48230	47.24	27.83	13.03	5.67	2.76	1.85	1.65
2	14	5	15700	19.45	10.43	4.33	1.65	.83	.59	.55
2	14	5	15630	18.70	10.12	4.21	1.61	.83	.59	.55
2	14	7	24670	28.82	16.42	7.17	2.87	1.38	.94	.83
2	14	8	36260	41.50	23.70	10.83	4.53	2.20	1.46	1.34
2	14	9	48230	51.46	29.13	13.70	5.91	2.91	1.97	1.73
2	15	5	15480	14.96	9.06	4.06	1.73	.83	.55	.51
2	15	5	15300	14.84	8.98	4.06	1.69	.79	.55	.51
2	15	7	24460	23.43	14.69	6.77	2.95	1.34	.91	.79
2	15	8	36580	34.37	21.57	10.20	4.61	2.17	1.42	1.26
2	15	9	48490	43.27	26.93	12.95	6.02	2.87	1.85	1.69
2	16	5	15480	15.08	8.46	3.50	1.57	.87	.63	.51
2	16	5	15630	15.24	8.58	3.54	1.61	.87	.63	.51

2	16	7	24560	23.43	13.86	6.02	2.72	1.46	1.06	.83
2	16	8	36790	34.84	20.75	9.29	4.33	2.28	1.57	1.34
2	16	9	48700	44.61	26.30	12.13	5.83	3.11	2.09	1.77
3	1	1	1000	.46	.27	.15	.07	.06		
3	2	1	1000	.44	.20	.16	.08	.07		
3	3	1	1000	.51	.29	.16	.07	.06		
3	4	1	1000	.43	.29	.17	.08	.07		
3	5	1	1000	.45	.29	.17	.09	.07		
3	6	1	1000	.42	.29	.17	.09	.06		
3	7	1	1000	.42	.27	.19	.09	.07		
3	8	1	1000	.50	.30	.18	.11	.07		
3	9	1	1000	.53	.33	.19	.08	.06		
3	10	1	1000	.51	.36	.21	.10	.07		
3	11	1	1000	.50	.32	.18	.08	.07		
3	12	1	1000	.53	.33	.18	.09	.07		
3	13	1	1000	.57	.31	.16	.08	.07		
3	14	1	1000	.63	.34	.18	.12	.08		
3	15	1	1000	.59	.35	.19	.09	.07		
3	16	1	1000	.54	.32	.17	.08	.08		
4	1	4	9439	11.26	4.72	1.69	.67	.39	.39	.35
4	1	4	9423	11.02	4.72	1.73	.71	.43	.39	.35
4	1	5	14317	17.05	7.64	2.83	1.18	.75	.67	.71
4	1	7	24725	29.06	13.23	5.12	2.05	1.22	1.02	1.02
4	2	4	9375	9.76	4.53	1.93	.75	.51	.35	.39
4	2	4	9343	9.49	4.57	1.93	.79	.55	.39	.43
4	2	5	14222	14.80	7.17	2.95	1.22	.79	.55	.63
4	2	7	24900	25.59	12.32	5.28	2.13	1.46	.94	1.10
4	3	4	9343	11.46	5.12	2.01	.75	.59	.47	.51
4	3	4	9375	11.06	5.04	1.97	.79	.59	.47	.51
4	3	5	13983	16.54	7.72	2.99	1.02	.79	.67	.63
4	3	7	24788	28.15	13.31	5.24	1.69	1.18	.94	1.02
4	4	4	9470	11.22	4.25	2.01	.98	.67	.43	.55
4	4	4	9391	10.63	4.25	1.97	.91	.55	.35	.35
4	4	5	14031	15.98	6.69	3.11	1.42	.87	.51	.59
4	4	7	24884	27.64	12.09	5.75	2.72	1.57	.94	1.06
4	5	4	9582	8.31	4.29	2.05	.91	.59	.35	.55
4	5	4	9470	8.19	4.37	2.09	.87	.59	.39	.43
4	5	5	14063	12.68	6.81	3.27	1.46	.91	.59	.75
4	5	7	25059	23.66	12.20	5.91	2.60	1.50	.87	1.02
4	6	4	9375	8.39	4.41	2.24	1.02	.67	.39	.39
4	6	4	9359	8.11	4.33	2.20	.98	.59	.35	.35
4	6	5	14142	12.68	6.85	3.46	1.57	.87	.51	.59
4	6	7	24947	22.72	12.32	6.42	2.99	1.69	.98	1.10
4	7	4	9375	7.76	4.33	2.28	1.10	.71	.43	.51
4	7	4	9375	7.60	4.33	2.28	1.10	.71	.43	.51
4	7	5	13999	11.65	6.73	3.54	1.69	1.02	.59	.67
4	7	7	25090	21.18	12.09	6.54	3.11	1.77	.98	1.06
4	8	4	9407	10.55	4.88	2.17	.98	.63	.43	.59
4	8	4	9327	10.08	4.72	2.01	.87	.47	.31	.39
4	8	5	14031	15.35	7.48	3.23	1.38	.83	.55	.75
4	8	7	24995	26.69	13.11	5.83	2.48	1.42	.83	1.10
4	9	4	9296	14.25	5.47	2.20	1.02	.55	.39	.35
4	9	4	9280	13.43	5.39	2.17	1.02	.51	.35	.31
4	9	5	13999	20.12	8.50	3.54	1.50	.75	.47	.51

4	9	7	24820	33.90	14.92	6.54	2.76	1.42	.87	.91
4	10	4	9470	11.93	5.59	2.64	1.30	.75	.47	.59
4	10	4	9375	11.34	5.39	2.48	1.18	.63	.35	.39
4	10	5	14015	17.40	8.62	4.06	1.97	1.02	.63	.71
4	10	7	24884	30.00	14.96	7.28	3.46	1.77	1.02	1.02
4	11	4	9359	13.43	5.24	2.20	.98	.59	.43	.63
4	11	4	9359	12.60	5.12	2.05	.91	.51	.35	.51
4	11	5	13888	18.94	7.95	3.39	1.38	.75	.51	.79
4	11	7	24757	32.05	14.09	6.14	2.48	1.34	.83	1.65
4	12	4	9280	13.82	5.55	2.24	1.02	.55	.39	.51
4	12	4	9312	13.03	5.51	2.20	.98	.55	.39	.35
4	12	5	13999	19.57	8.66	3.58	1.46	.83	.51	.67
4	12	7	24773	33.15	15.20	6.54	2.64	1.34	.79	.98
4	13	4	9200	13.35	5.87	2.13	.91	.59	.35	.51
4	13	4	9312	12.99	5.71	2.05	.83	.47	.28	.35
4	13	5	14079	19.96	8.86	3.23	1.22	.71	.43	.63
4	13	7	24693	33.15	14.96	5.71	2.05	1.18	.67	1.10
4	14	4	9200	13.78	5.83	2.01	.83	.47	.35	.51
4	14	4	9312	13.74	5.79	2.05	.83	.47	.35	.51
4	14	5	14031	21.14	8.98	3.19	1.22	.71	.47	.79
4	14	7	24645	35.47	15.24	5.71	2.05	1.22	.79	1.10
4	15	4	9232	11.54	5.51	2.17	.87	.51	.39	.51
4	15	4	9343	11.18	5.43	2.20	.91	.55	.43	.43
4	15	5	14126	17.09	8.43	3.35	1.34	.75	.55	.67
4	15	7	24820	28.66	14.33	5.91	2.28	1.18	.87	1.02
4	16	4	9200	15.79	5.16	1.81	.79	.59	.47	.55
4	16	4	9280	14.72	5.00	1.73	.75	.51	.35	.43
4	16	5	14079	21.69	7.87	2.76	1.14	.83	.55	.75
4	16	7	24741	35.98	13.74	5.08	2.09	1.46	.94	1.18
5	16	2	5160	2.80	.90	.40	.30			
5	16	2	5160	2.80	.90	.40	.20			
5	16	3	6910	4.10	1.20	.60	.30			
5	16	3	6900	4.10	1.30	.60	.30			
5	15	2	5190	3.00	1.00	.40	.30			
5	15	2	5210	3.00	1.00	.40	.30			
5	15	3	6890	4.30	1.40	.60	.30			
5	15	3	6890	4.40	1.50	.70	.30			
5	14	2	5150	3.00	.90	.40	.20			
5	14	2	5130	3.00	.90	.40	.30			
5	14	3	6880	4.70	1.40	.70	.30			
5	14	3	6900	4.60	1.40	.60	.30			
5	13	2	5110	3.00	1.00	.40	.20			
5	13	2	5170	2.90	1.00	.40	.20			
5	13	3	6950	4.40	1.40	.60	.30			
5	13	3	6970	4.40	1.50	.60	.30			
5	12	2	5170	2.90	1.00	.50	.20			
5	12	2	5110	2.90	1.00	.50	.20			
5	12	3	6950	4.30	1.60	.70	.30			
5	12	3	6900	4.30	1.50	.70	.30			
5	11	2	5110	2.80	1.00	.50	.30			
5	11	2	5160	2.80	1.00	.50	.20			
5	11	3	6980	4.10	1.50	.70	.30			
5	11	3	6940	4.00	1.50	.70	.40			
5	10	2	5080	2.80	1.10	.60	.30			

5	10	2	5110	2.80	1.10	.50	.30
5	10	3	7080	4.20	1.70	.80	.40
5	10	3	7060	4.30	1.70	.80	.40
5	9	2	5060	2.80	.90	.50	.20
5	9	2	5110	2.80	.90	.50	.20
5	9	3	6940	4.20	1.50	.70	.40
5	9	3	6940	4.10	1.50	.70	.40
5	8	2	5160	2.70	.90	.40	.20
5	8	2	5070	2.60	.90	.40	.20
5	8	3	6960	3.90	1.40	.60	.30
5	8	3	6970	3.80	1.40	.60	.30
5	7	2	5150	2.50	.90	.50	.30
5	7	2	5180	2.50	.90	.50	.30
5	7	3	6910	3.50	1.40	.70	.40
5	7	3	6960	3.40	1.40	.70	.30
5	6	2	5150	2.50	1.00	.50	.30
5	6	2	5130	2.50	1.00	.50	.20
5	6	3	6960	3.60	1.40	.70	.30
5	6	3	6960	3.70	1.40	.70	.30
5	5	2	5190	2.50	.90	.40	.20
5	5	2	5230	2.60	.90	.40	.20
5	5	3	7070	3.80	1.40	.00	.30
5	5	3	7100	3.70	1.30	.70	.30
5	4	2	5130	2.50	.90	.40	.20
5	4	2	5180	2.50	.90	.50	.20
5	4	3	6960	3.60	1.30	.60	.30
5	4	3	6890	3.70	1.30	.60	.30
5	3	2	5110	2.60	.80	.40	.20
5	3	2	5120	2.60	.80	.40	.20
5	3	3	6900	3.90	1.30	.50	.30
5	3	3	6960	3.90	1.30	.60	.30
5	2	2	5100	2.60	.90	.40	.20
5	2	2	5120	2.60	.80	.40	.20
5	2	3	6900	3.90	1.30	.60	.30
5	2	3	6920	3.80	1.30	.60	.30
5	1	2	4980	2.60	.80	.40	.20
5	1	2	5030	2.60	.80	.40	.20
5	1	3	7120	4.10	1.30	.50	.30
5	1	3	7130	4.10	1.30	.60	.30
6	10	4	10370	5.28	3.84	1.64	.85
6	10	5	14879	8.08	5.89	2.50	1.29
6	11	4	12077	6.38	4.12	1.65	.83
6	11	5	15021	8.10	5.21	2.06	1.05
6	12	4	10421	5.59	3.97	1.36	.68
6	12	5	15073	8.58	6.10	2.07	1.02
6	13	4	11044	5.93	4.34	1.37	.71
6	13	5	14674	8.40	6.15	1.90	.97
6	14	4	10363	5.90	4.19	1.39	.70
6	14	5	15043	9.10	6.46	2.06	1.04
6	15	4	10487	5.37	3.88	1.38	.71
6	15	5	14986	8.12	5.86	2.03	1.03
6	16	4	9802	4.94	3.47	1.24	.62
6	16	5	15025	8.16	5.72	1.98	.99
6	1	4	10728	5.20	3.85	1.33	.70

6	1	5	14775	7.33	5.41	1.85	.97	.73	
6	2	4	10368	4.52	3.42	1.16	.66	.52	
6	2	5	14667	6.73	5.09	1.71	.96	.74	
6	3	4	10119	4.99	3.67	1.06	.60	.48	
6	3	5	14127	7.28	5.41	1.57	.85	.66	
6	4	4	10733	4.98	3.38	1.34	.72	.53	
6	4	5	15024	7.30	5.01	1.96	1.05	.76	
6	5	4	10285	4.62	3.48	1.28	.69	.51	
6	5	5	14989	7.17	5.45	1.98	1.06	.74	
6	6	4	10356	4.39	3.31	1.30	.73	.51	
6	6	5	15043	6.67	5.03	1.97	1.10	.75	
6	7	4	10243	4.22	3.25	1.30	.72	.51	
6	7	5	14943	6.64	5.15	2.06	1.12	.77	
6	8	4	10122	4.54	3.39	1.22	.66	.49	
6	8	5	14171	6.87	5.00	1.83	.98	.70	
7	1	5	14625	17.50	8.40	3.20	1.20	.70	.60
7	1	5	14625	15.90	7.90	3.00	1.20	.70	.60
7	1	5	14625	15.60	7.80	3.00	1.30	.80	.60
7	1	6	19053	20.60	10.20	4.30	1.70	.90	.80
7	1	6	19053	19.30	9.70	4.00	1.70	.90	.70
7	1	6	19053	18.90	9.60	4.00	1.70	.90	.70
7	2	5	15243	16.00	7.90	3.40	1.40	.70	.70
7	2	5	15243	14.30	7.20	3.40	1.30	.80	.60
7	2	5	15243	14.10	7.20	3.10	1.30	.80	.60
7	2	6	18950	18.50	9.40	4.30	1.80	1.00	.80
7	2	6	18950	17.40	9.00	4.10	1.70	1.00	.80
7	2	6	18950	17.00	8.90	4.10	1.70	1.00	.80
7	3	5	15655	19.80	9.10	3.40	1.00	.70	.70
7	3	5	15655	17.20	8.10	3.10	1.00	.70	.60
7	3	5	15655	16.50	8.00	3.10	1.00	.70	.60
7	3	6	18744	22.10	10.80	4.40	1.50	.90	.70
7	3	6	18744	20.40	10.20	4.10	1.40	.90	.70
7	3	6	18744	20.00	10.10	4.10	1.40	.90	.70
7	4	5	15037	20.00	7.80	3.60	1.60	.90	.70
7	4	5	15037	16.50	7.10	3.20	1.50	.80	.60
7	4	5	15037	15.60	7.00	3.20	1.50	.80	.60
7	4	6	19053	21.30	9.60	4.70	2.20	1.10	.90
7	4	6	19053	19.70	9.20	4.40	2.00	1.10	.80
7	4	6	19053	19.10	9.00	4.30	2.00	1.10	.80
7	5	5	15140	14.60	7.80	3.70	1.70	.80	.70
7	5	5	15140	13.30	7.20	3.30	1.50	.80	.60
7	5	5	15140	12.90	7.00	3.30	1.50	.80	.60
7	5	6	19156	17.40	9.60	4.80	2.20	1.10	.80
7	5	6	19156	16.50	9.20	4.50	2.00	1.10	.80
7	5	6	19156	16.20	9.10	4.50	2.00	1.10	.70
7	6	5	15552	14.20	8.00	4.10	1.90	1.00	.70
7	6	5	15552	12.80	7.20	3.50	1.70	.90	.60
7	6	5	15552	12.50	7.00	3.50	1.60	.90	.60
7	6	6	18950	16.80	9.50	4.90	2.30	1.10	.80
7	6	6	18950	15.90	9.00	4.60	2.20	1.10	.80
7	6	6	18950	15.60	8.90	4.60	2.20	1.10	.80
7	7	5	15243	12.60	7.40	4.00	1.90	.90	.70
7	7	5	15243	11.50	6.60	3.50	1.70	.90	.60
7	7	5	15243	11.40	6.50	3.50	1.70	.90	.60

7	7	6	19774	15.60	9.10	5.00	2.40	1.20	.90
7	7	6	19774	14.40	8.50	4.60	2.30	1.20	.80
7	7	6	19774	14.40	8.50	4.60	2.20	1.20	1.00
7	8	5	15037	17.80	8.40	3.50	1.40	.70	.60
7	8	5	15037	15.90	7.80	3.30	1.40	.80	.60
7	8	5	15037	15.40	7.70	3.30	1.40	.80	.60
7	8	6	18950	20.10	10.10	4.60	1.90	1.00	.70
7	8	6	18950	19.10	9.90	4.40	1.90	1.00	.70
7	8	6	18950	18.70	9.80	4.40	1.90	1.00	.70
7	9	5	15243	23.90	10.70	4.60	1.90	.90	.90
7	9	5	15243	20.40	9.50	4.10	1.70	.90	.70
7	9	5	15423	19.50	9.30	4.00	1.70	.80	.70
7	9	6	19362	26.30	12.20	5.60	2.30	1.10	1.10
7	9	6	19362	24.20	11.70	5.30	2.20	1.10	1.00
7	9	6	19362	23.70	11.60	5.20	2.20	1.10	.90
7	10	5	16066	20.20	10.00	4.70	2.10	1.00	.70
7	10	5	16066	18.00	9.10	4.30	1.90	1.00	.70
7	10	5	16066	17.40	8.90	4.30	1.90	1.00	.70
7	10	6	19980	23.70	12.10	6.00	2.80	1.40	.90
7	10	6	19980	21.80	11.40	5.70	2.60	1.50	.90
7	10	6	19980	21.40	11.30	5.70	2.60	1.40	.90
7	11	5	15449	23.60	9.40	4.00	1.50	.80	.60
7	11	5	15449	19.70	8.50	3.60	1.50	.80	.60
7	11	5	15449	19.20	8.40	3.60	1.40	.70	.60
7	11	6	19774	26.50	11.40	5.20	2.00	1.00	.80
7	11	6	19774	18.40	10.70	4.80	2.00	1.10	.70
7	11	6	19774	19.00	10.70	4.80	1.90	1.00	.90
7	12	5	15655	21.70	10.50	4.40	1.60	.70	.60
7	12	5	15655	19.30	9.60	4.00	1.50	.80	.60
7	12	5	15655	18.70	9.40	4.00	1.50	.80	.60
7	12	6	19362	25.90	12.90	5.70	2.10	1.00	.90
7	12	6	19362	23.70	12.10	5.40	2.00	1.00	.90
7	12	6	19362	23.30	12.00	5.30	2.00	1.00	.80
7	13	5	15449	24.80	11.10	3.90	1.30	.70	.60
7	13	5	15449	21.20	9.90	3.50	1.30	.70	.60
7	13	5	15449	20.60	9.80	3.50	1.30	.70	.60
7	13	6	19568	28.80	13.50	5.20	1.80	1.00	.80
7	13	6	19568	25.90	12.60	4.80	1.70	.90	.70
7	13	6	19568	25.60	12.40	4.80	1.70	1.00	.80
7	14	5	15140	25.50	10.40	3.60	1.20	.70	.60
7	14	5	15140	22.60	9.70	3.50	1.30	.70	.60
7	14	5	15140	22.00	9.70	3.50	1.30	.70	.60
7	14	6	19156	30.00	12.80	4.90	1.80	1.00	.90
7	14	6	19156	27.10	12.20	4.70	1.70	1.00	.90
7	14	6	19156	26.70	12.10	4.70	1.70	1.00	.80
7	15	5	15243	21.00	10.00	4.10	1.40	.70	.60
7	15	5	15243	18.70	9.20	3.80	1.40	.70	.60
7	15	5	15243	18.30	9.20	3.90	1.40	.70	.60
7	15	6	19568	24.70	12.20	5.40	1.90	.90	.80
7	15	6	19568	22.70	11.60	5.10	1.90	.90	.70
7	15	6	19568	22.40	11.40	5.00	1.90	.90	.70
7	16	5	15449	23.10	10.00	3.40	1.40	.70	.70
7	16	5	15449	19.80	8.90	3.10	1.20	.70	.60
7	16	5	15449	19.10	8.80	3.10	1.30	.70	.60

7	16	6	19774	26.20	11.90	4.40	1.70	1.00	.90
7	16	6	19774	23.70	11.20	4.20	1.70	1.00	.80
7	16	6	19774	23.30	11.20	4.20	1.60	1.00	.80

SITE 6

1	16	2	5072	5.90	2.87	2.12	1.92	1.77	1.53	1.14
1	16	2	5163	5.47	2.75	2.20	1.92	1.77	1.33	1.14
1	16	4	10178	10.40	5.47	4.29	3.93	3.66	2.75	2.32
1	16	5	14246	13.10	7.32	5.94	5.43	5.00	3.93	3.18
1	15	2	5039	5.78	2.55	1.88	1.73	1.53	1.25	.86
1	15	2	5139	5.39	2.48	1.88	1.65	1.45	1.25	.94
1	15	4	10178	10.00	4.88	3.74	3.42	3.07	2.44	1.85
1	15	5	14322	12.80	6.73	5.19	4.84	4.37	3.26	2.87
1	13	2	5024	5.94	2.55	1.88	1.85	1.65	1.25	.94
1	13	2	5125	5.43	2.48	1.88	1.85	1.53	1.14	.86
1	13	4	10155	10.10	5.07	3.89	3.62	3.26	2.55	1.85
1	13	5	14356	12.70	6.73	5.43	4.96	4.68	3.38	2.48
1	12	2	5030	5.78	2.20	1.65	1.45	1.25	.94	.62
1	12	2	5131	5.27	2.08	1.61	1.45	1.33	1.06	.62
1	12	4	10178	9.72	4.29	3.38	3.11	2.67	1.96	1.37
1	12	5	14370	12.20	5.94	4.68	4.25	3.77	2.67	1.85
1	11	2	5036	5.66	2.20	1.61	1.49	1.33	.82	.62
1	11	2	5131	5.07	2.20	1.61	1.53	1.33	1.14	.74
1	11	4	10205	9.52	4.29	3.22	2.95	2.55	2.04	1.45
1	11	5	14390	12.10	5.94	4.48	4.05	3.77	2.87	2.16
1	10	2	5027	5.82	2.20	1.61	1.45	1.33	.98	.74
1	10	2	5089	5.27	2.20	1.53	1.33	1.25	1.06	.74
1	10	4	10148	9.84	4.17	3.14	2.83	2.67	1.96	1.45
1	10	5	14390	12.50	5.74	4.40	4.05	3.66	2.75	2.08
1	9	2	5016	5.90	2.87	2.24	1.92	1.77	1.33	1.06
1	9	2	5095	5.47	2.75	2.04	1.85	1.77	1.33	.94
1	9	4	10184	10.10	5.15	4.33	3.62	3.38	2.67	1.96
1	9	5	14449	13.00	7.12	5.82	5.23	4.68	3.58	2.79
1	8	2	5030	6.18	2.20	1.61	1.45	1.33	.98	.94
1	8	2	5119	5.78	2.08	1.53	1.33	1.25	1.06	.94
1	8	4	10214	10.60	4.17	3.34	3.03	2.75	2.16	1.81
1	8	5	14441	13.50	5.78	4.56	4.25	3.97	3.14	2.59
1	7	2	5036	5.19	1.88	1.33	1.22	1.14	.82	.55
1	7	2	5122	4.68	1.69	1.18	1.14	1.06	.82	.62
1	7	4	10220	8.89	3.50	2.67	2.44	2.36	1.85	1.37
1	7	5	14474	11.50	4.88	3.74	3.62	3.26	2.55	1.96
1	6	2	5122	5.19	2.08	1.61	1.45	1.25	.94	.86
1	6	2	5163	5.07	2.08	1.53	1.53	1.33	.94	.78
1	6	4	10273	9.33	3.97	3.14	2.79	2.55	1.96	1.57
1	6	5	14549	12.10	5.55	4.40	4.05	3.77	2.87	2.28
1	5	2	5051	6.61	2.12	1.53	1.45	1.33	1.06	.86
1	5	2	5101	5.90	2.08	1.53	1.45	1.25	.94	.86
1	5	4	10202	10.90	4.25	3.14	3.03	2.75	2.04	1.77
1	5	5	14503	14.00	5.94	4.56	4.33	3.85	3.14	2.48
1	4	2	5027	6.37	2.36	1.61	1.65	1.45	1.14	.94
1	4	2	5119	5.90	2.48	1.61	1.65	1.25	1.14	.94
1	4	4	10243	11.00	4.72	3.42	3.34	3.07	2.36	1.85
1	4	5	14582	14.00	6.53	4.96	4.80	4.33	3.38	2.67

1	3	2	5033	6.10	2.55	1.88	1.73	1.65	1.33	1.06
1	3	2	5113	5.59	2.55	1.77	1.65	1.49	1.33	.86
1	3	4	10231	10.60	4.88	3.81	3.42	3.26	2.67	2.16
1	3	5	14574	13.50	6.73	5.27	5.03	4.56	3.62	2.99
1	2	2	5013	7.91	2.71	1.81	1.73	1.61	1.33	1.25
1	2	2	5095	7.08	2.51	1.85	1.73	1.65	1.45	1.06
1	2	4	10202	12.60	4.88	3.62	3.54	3.38	2.67	2.28
1	2	5	14570	16.00	6.61	5.07	4.84	4.68	3.85	3.18
1	1	2	4980	6.61	2.55	1.81	1.65	1.53	1.14	1.06
1	1	2	5078	6.10	2.36	1.81	1.65	1.53	1.45	1.14
1	1	4	10137	11.40	4.56	3.62	3.34	3.14	2.55	2.28
1	1	5	14592	14.40	6.22	4.96	4.96	4.37	3.66	3.18
1	14	2	5001	5.59	2.48	1.88	1.65	1.33	1.10	.86
1	14	2	5078	5.23	2.36	1.88	1.73	1.45	1.25	.86
1	14	4	10214	9.92	4.76	3.77	3.30	3.07	2.36	1.77
1	14	5	14663	12.90	6.61	5.43	4.72	4.37	3.38	2.79
2	1	5	15480	11.14	6.54	5.24	4.06	3.03	2.17	1.46
2	1	5	15520	11.38	6.61	5.24	4.09	3.03	2.17	1.50
2	1	7	24390	16.73	10.47	8.39	6.61	5.00	3.66	2.52
2	1	8	37040	24.96	15.63	12.60	9.96	7.52	5.55	3.82
2	1	9	49090	32.05	20.00	16.18	12.83	9.69	7.20	4.96
2	2	5	15630	10.20	5.04	4.17	3.11	2.36	1.69	1.14
2	2	5	15520	9.88	5.04	4.09	3.07	2.28	1.69	1.14
2	2	7	24670	15.39	8.27	6.89	5.20	3.86	2.83	2.01
2	2	8	37150	22.76	12.52	10.43	7.95	5.98	4.41	3.11
2	2	9	49240	29.17	16.26	13.54	10.35	7.80	5.79	4.13
2	3	5	15090	10.16	5.12	4.13	3.07	2.28	1.65	1.22
2	3	5	15300	9.96	5.16	4.17	3.07	2.32	1.73	1.26
2	3	7	24490	15.04	8.50	6.93	5.20	3.90	2.87	2.05
2	3	8	36970	22.64	12.95	10.63	8.03	6.06	4.49	3.27
2	3	9	49130	29.25	16.81	13.82	10.59	8.03	6.02	4.37
2	4	5	15270	9.33	5.00	3.82	2.72	2.01	1.46	1.02
2	4	5	15200	9.29	5.00	3.82	2.72	1.97	1.46	1.02
2	4	7	24460	14.25	8.11	6.34	4.57	3.31	2.44	1.77
2	4	8	36970	21.30	12.17	9.53	6.93	5.08	3.70	2.72
2	4	9	49090	27.60	15.71	12.32	9.02	6.61	4.92	3.62
2	5	5	15410	10.43	6.14	5.12	3.78	2.76	1.97	1.42
2	5	5	15480	10.24	6.14	5.12	3.74	2.72	1.97	1.42
2	5	7	24530	15.75	9.80	8.15	6.06	4.45	3.23	2.28
2	5	8	36900	23.46	14.65	12.20	9.13	6.69	4.88	3.50
2	5	9	48950	30.31	18.78	15.63	11.73	8.70	6.42	4.65
2	6	5	15630	10.24	6.18	5.00	3.90	3.07	2.44	1.89
2	6	5	15340	10.00	6.14	4.96	3.86	3.07	2.48	1.85
2	6	7	24600	16.06	10.20	8.27	6.46	5.16	4.06	3.07
2	6	8	36860	24.57	15.59	12.64	9.92	7.91	6.26	4.84
2	6	9	48770	31.26	20.04	16.42	12.95	10.35	8.19	6.38
2	7	5	15230	11.65	6.02	4.69	3.66	2.95	2.32	1.85
2	7	5	15230	11.42	6.06	4.69	3.70	2.95	2.36	1.85
2	7	7	24100	17.64	10.20	7.95	6.26	5.04	3.90	3.07
2	7	8	36790	26.18	15.71	12.40	9.80	7.87	6.22	4.80
2	7	9	48740	33.50	20.31	16.18	12.87	10.39	8.19	6.38
2	8	5	15230	10.24	6.50	5.39	4.21	3.31	2.60	1.97
2	8	5	15410	10.63	6.65	5.51	4.33	3.35	2.64	2.01
2	8	7	23990	16.02	10.67	8.94	7.05	5.55	4.33	3.31

2	8	8	36830	24.02	15.94	13.46	10.71	8.46	6.61	5.08
2	8	9	48840	30.98	20.35	17.20	13.66	10.87	8.58	6.57
2	9	5	15300	12.09	5.51	4.84	4.09	3.39	2.83	2.32
2	9	5	15380	11.77	5.59	4.84	4.13	3.43	2.83	2.32
2	9	7	24310	18.54	9.25	8.15	6.85	5.67	4.69	3.86
2	9	8	36900	26.77	14.21	12.44	10.51	8.70	7.28	5.98
2	9	9	48450	33.90	18.54	16.10	13.62	11.34	9.49	7.76
2	10	5	15230	11.73	5.87	4.96	4.21	3.43	2.83	2.32
2	10	5	15230	11.50	5.87	5.00	4.21	3.46	2.83	2.32
2	10	7	24140	17.83	9.65	8.31	7.01	5.75	4.72	3.86
2	10	8	36830	25.87	14.65	12.68	10.75	8.82	7.32	5.98
2	10	9	48630	33.19	19.02	16.50	13.98	11.54	9.53	7.76
2	11	5	15230	11.42	5.87	4.84	3.94	3.07	2.40	1.89
2	11	5	15340	11.26	5.94	4.96	3.98	3.15	2.44	1.93
2	11	7	24280	17.44	9.80	8.19	6.61	5.20	4.09	3.19
2	11	8	37010	25.63	14.84	12.48	10.16	8.03	6.34	4.96
2	11		48630	32.80	19.21	16.18	13.19	10.47	8.27	6.50
2	12	5	15230	10.83	5.63	4.65	3.74	2.83	2.17	1.69
2	12	5	15230	10.75	5.75	4.65	3.74	2.87	2.24	1.69
2	12	7	24100	17.05	9.45	7.80	6.30	4.88	3.78	2.83
2	12	8	37040	25.35	14.45	12.01	9.69	7.56	5.87	4.45
2	12	9	48840	32.28	18.82	15.67	12.64	9.84	7.76	5.87
2	13	5	15410	11.81	5.59	4.41	3.58	2.83	2.17	1.69
2	13	5	15300	11.42	5.59	4.41	3.58	2.80	2.17	1.65
2	13	7	24140	17.87	9.13	7.48	5.94	4.69	3.62	2.72
2	13	8	37080	26.46	14.09	11.61	9.25	7.28	5.59	4.25
2	13	9	49060	33.66	18.39	15.12	12.13	9.53	7.40	5.59
2	14	5	15700	9.69	5.31	4.25	3.31	2.52	1.93	1.46
2	14	5	15630	10.00	5.39	4.29	3.39	2.56	1.97	1.50
2	14	7	24100	15.16	8.66	7.05	5.51	4.21	3.27	2.44
2	14	8	37260	22.68	13.19	10.71	8.54	6.50	5.00	3.78
2	14	9	49240	29.61	17.17	13.98	11.10	8.50	6.57	4.92
2	15	5	15340	8.35	4.25	3.58	2.76	2.09	1.61	1.10
2	15	5	15550	8.46	4.37	3.62	2.83	2.13	1.57	1.14
2	15	7	24560	13.54	7.20	6.10	4.80	3.58	2.68	1.97
2	15	8	37190	20.91	11.18	9.45	7.44	5.63	4.21	3.07
2	15	9	49130	26.97	14.69	12.40	9.80	7.44	5.63	4.13
2	16	5	15520	9.06	5.08	4.21	3.43	2.68	2.05	1.57
2	16	5	15450	8.90	5.08	4.21	3.43	2.68	2.09	1.57
2	16	7	24670	14.21	8.43	7.05	5.75	4.49	3.46	2.64
2	16	8	37080	22.56	12.87	10.83	8.86	6.89	5.43	4.13
2	16	9	48910	29.13	16.77	14.21	11.57	9.06	7.17	5.39
3	1	1	1000	.31	.27	.25	.19	.17		
3	2	1	1000	.33	.29	.27	.21	.18		
3	3	1	1000	.31	.27	.25	.18	.16		
3	4	1	1000	.29	.25	.23	.16	.14		
3	5	1	1000	.27	.24	.22	.15	.13		
3	6	1	1000	.28	.23	.21	.15	.12		
3	7	1	1000	.24	.21	.19	.13	.11		
3	8	1	1000	.27	.25	.22	.16	.13		
3	9	1	1000	.31	.27	.24	.17	.13		
3	10	1	1000	.24	.21	.20	.13	.11		
3	11	1	1000	.26	.22	.20	.13	.11		
3	12	1	1000	.28	.24	.20	.13	.11		

3	13	1	1000	.30	.26	.25	.17	.13		
3	14	1	1000	.30	.26	.23	.16	.14		
3	15	1	1000	.33	.25	.24	.17	.14		
3	16	1	1000	.32	.29	.26	.18	.16		
4	1	4	9677	11.77	3.03	2.91	2.24	2.01	1.65	1.46
4	1	4	9725	11.06	3.11	2.95	2.28	2.01	1.69	1.50
4	1	5	14476	15.43	4.92	4.57	3.62	3.19	2.64	2.32
4	1	7	24614	23.78	8.31	7.60	5.98	5.31	4.37	3.86
4	2	4	9645	10.71	3.23	2.87	2.40	1.93	1.61	1.42
4	2	4	9598	10.20	3.35	2.91	2.44	2.01	1.65	1.42
4	2	5	14412	14.49	5.16	4.53	3.78	3.11	2.52	2.20
4	2	7	24995	22.83	8.78	7.80	6.42	5.35	4.41	3.98
4	3	4	9645	10.31	3.11	2.80	2.24	1.77	1.38	1.10
4	3	4	9629	9.65	3.15	2.83	2.20	1.73	1.38	1.10
4	3	5	14444	13.66	4.92	4.41	3.46	2.76	2.17	1.81
4	3	7	25090	21.93	8.54	7.60	6.06	4.84	3.78	3.27
4	4	4	9661	10.47	2.95	2.60	1.97	1.57	1.18	.98
4	4	4	9629	9.88	2.99	2.60	2.01	1.57	1.22	.94
4	4	5	14428	14.21	4.76	4.17	3.23	2.60	1.97	1.65
4	4	7	25170	22.72	8.31	7.24	5.55	4.57	3.43	2.87
4	5	4	9645	10.24	2.76	2.44	1.89	1.54	1.14	.98
4	5	4	9661	9.69	2.80	2.48	1.97	1.54	1.18	.94
4	5	5	14317	13.86	4.41	3.94	3.07	2.52	1.89	1.61
4	5	7	25138	22.44	7.72	6.89	5.39	4.45	3.27	2.87
4	6	4	9661	9.65	2.83	2.36	1.81	1.42	1.06	.87
4	6	4	9629	9.09	2.83	2.36	1.81	1.42	1.02	.87
4	6	5	14428	12.99	4.33	3.66	2.83	2.24	1.65	1.34
4	6	7	25138	20.75	7.60	6.50	5.00	3.98	2.95	2.44
4	7	4	9613	8.62	2.44	2.09	1.61	1.22	.91	.71
4	7	4	9598	8.07	2.48	2.09	1.61	1.22	.91	.71
4	7	5	14380	11.57	3.82	3.15	2.40	1.85	1.34	1.06
4	7	7	25154	19.25	6.81	5.71	4.37	3.39	2.44	1.97
4	8	4	9645	9.33	2.83	2.52	2.01	1.61	1.26	1.02
4	8	4	9613	8.98	2.80	2.52	2.01	1.57	1.26	.98
4	8	5	14428	13.23	4.37	3.94	3.11	2.52	1.89	1.54
4	8	7	25170	21.73	7.72	6.89	5.43	4.41	3.31	2.68
4	9	4	9677	9.25	3.74	3.03	2.36	1.81	1.30	.94
4	9	4	9629	8.82	3.62	2.87	2.24	1.69	1.18	.83
4	9	5	14428	12.80	5.51	4.49	3.43	2.60	1.85	1.34
4	9	7	25170	20.79	9.37	7.72	5.98	4.61	3.27	2.44
4	10	4	9534	9.72	2.76	2.24	1.65	1.22	.91	.71
4	10	4	9598	9.09	2.72	2.20	1.61	1.18	.83	.67
4	10	5	14349	13.19	4.25	3.50	2.60	1.97	1.42	1.14
4	10	7	25122	21.46	7.52	6.30	4.69	3.54	2.52	2.13
4	11	4	9582	9.25	3.07	2.44	1.77	1.30	.94	.75
4	11	4	9582	8.98	3.19	2.52	1.85	1.38	1.02	.83
4	11	5	14237	12.76	4.76	3.82	2.80	2.09	1.50	1.18
4	11	7	25154	21.18	8.35	6.73	4.96	3.78	2.68	2.17
4	12	4	9550	9.21	3.03	2.28	1.57	1.10	.79	.63
4	12	4	9550	8.82	3.11	2.32	1.65	1.18	.87	.71
4	12	5	14237	12.52	4.61	3.39	2.36	1.69	1.22	.94
4	12	7	25186	20.63	7.99	6.06	4.21	3.07	2.17	1.77
4	13	4	9534	9.80	3.39	2.91	2.13	1.50	1.06	.83
4	13	4	9534	9.33	3.46	2.95	2.17	1.54	1.10	.87

4	13	5	14317	13.39	5.20	4.41	3.23	2.32	1.65	1.26
4	13	7	25202	21.93	8.90	7.60	5.55	4.09	2.87	2.36
4	14	4	9534	9.06	3.46	2.83	2.13	1.69	1.26	1.06
4	14	4	9550	8.66	3.46	2.80	2.13	1.69	1.30	1.06
4	14	5	14365	12.76	5.47	4.49	3.43	2.72	2.13	1.81
4	14	7	25233	21.06	9.49	7.80	5.91	4.84	3.66	3.15
4	15	4	9566	10.12	3.43	2.72	2.13	1.73	1.38	1.14
4	15	4	9613	9.57	3.35	2.64	2.05	1.69	1.30	1.06
4	15	5	14349	13.62	5.24	4.17	3.23	2.68	2.05	1.81
4	15	7	25186	22.24	9.29	7.52	5.91	4.92	3.78	3.35
4	16	4	9613	9.29	3.54	3.11	2.36	1.85	1.38	1.14
4	16	4	9550	8.82	3.54	3.11	2.32	1.85	1.38	1.14
4	16	5	14380	12.99	5.67	4.92	3.82	3.03	2.28	1.89
4	16	7	25297	21.26	9.72	8.43	6.50	5.24	3.90	3.27
5	16	2	5050	2.90	1.70	1.30	1.00			
5	16	2	5000	2.90	1.70	1.30	1.00			
5	16	3	6930	4.30	2.50	1.90	1.50			
5	16	3	6920	4.30	2.50	1.90	1.50			
5	15	2	5110	3.00	1.50	1.10	1.00			
5	15	2	5130	3.00	1.50	1.20	.90			
5	15	3	6990	4.40	2.20	1.70	1.40			
5	15	3	6950	4.30	2.20	1.70	1.40			
5	14	2	5130	2.90	1.60	1.20	.90			
5	14	2	5130	2.90	1.50	1.20	1.00			
5	14	3	6940	4.10	2.20	1.70	1.40			
5	14	3	6920	4.20	2.20	1.70	1.30			
5	13	2	5140	2.70	1.40	1.10	.80			
5	13	2	5190	2.80	1.40	1.10	.80			
5	13	3	6950	3.90	2.10	1.50	1.10			
5	13	3	6850	3.90	2.10	1.60	1.10			
5	12	2	5030	2.60	1.10	.80	.60			
5	12	2	5080	2.50	1.20	.80	.60			
5	12	3	6870	3.60	1.70	1.20	.80			
5	12	3	6950	3.70	1.70	1.10	.80			
5	11	2	5160	2.50	1.10	.80	.60			
5	11	2	5110	2.50	1.20	.80	.60			
5	11	3	6900	3.60	1.70	1.20	.90			
5	11	3	6890	3.60	1.70	1.20	.90			
5	10	2	5150	2.30	1.00	.70	.50			
5	10	2	5170	2.30	1.00	.70	.50			
5	10	3	6970	3.30	1.40	1.00	.70			
5	10	3	7010	3.30	1.40	1.00	.70			
5	9	2	5140	2.80	1.40	1.00	.70			
5	9	2	5210	2.80	1.40	1.00	.80			
5	9	3	6920	4.00	2.00	1.50	1.10			
5	9	3	6850	4.00	2.00	1.50	1.10			
5	8	2	5150	2.50	1.20	.90	.70			
5	8	2	5150	2.40	1.30	.90	.70			
5	8	3	7020	3.50	1.80	1.30	1.00			
5	8	3	6960	3.50	1.80	1.30	1.10			
5	7	2	5190	2.30	1.00	.80	.50			
5	7	2	5160	2.10	1.00	.80	.50			
5	7	3	6940	3.20	1.50	1.10	.80			
5	7	3	6980	3.10	1.50	1.10	.80			

5	6	2	5090	2.70	1.30	.90	.70	
5	6	2	5130	2.70	1.20	.90	.70	
5	6	3	6880	3.80	1.80	1.30	1.00	
5	6	3	6950	3.90	1.80	1.30	1.00	
5	5	2	5180	2.90	1.30	1.00	.80	
5	5	2	5100	2.80	1.30	1.00	.80	
5	5	3	6910	3.80	1.90	1.50	1.20	
5	5	3	6870	3.90	1.90	1.50	1.10	
5	4	2	5120	2.80	1.50	1.10	.90	
5	4	2	5090	2.90	1.50	1.20	.90	
5	4	3	6880	4.00	2.10	1.60	1.30	
5	4	3	6920	4.10	2.10	1.70	1.30	
5	3	2	5220	3.20	1.70	1.30	1.00	
5	3	2	5130	3.20	1.60	1.30	1.00	
5	3	3	7010	4.70	2.40	1.80	1.50	
5	3	3	6950	4.60	2.40	1.90	1.50	
5	2	2	5170	3.40	2.00	1.70	1.40	
5	2	2	5090	3.40	2.00	1.60	1.40	
5	2	3	6940	4.80	2.80	2.30	2.00	
5	2	3	6920	4.70	2.80	2.30	2.00	
5	1	2	5150	3.50	1.90	1.60	1.40	
5	1	2	5120	3.40	1.90	1.60	1.40	
5	1	3	6970	4.80	2.80	2.30	2.10	
5	1	3	6890	4.80	2.80	2.30	2.10	
6	9	4	10536	4.98	3.44	2.21	1.58	1.19
6	9	5	14679	7.28	5.00	3.20	2.30	1.71
6	10	4	10275	4.22	2.79	1.77	1.24	.95
6	10	5	15317	6.60	4.37	2.75	1.94	1.48
6	11	4	10582	4.77	3.30	1.96	1.38	1.07
6	11	5	14302	6.76	4.65	2.74	1.94	1.50
6	12	4	10488	4.47	2.88	1.69	1.18	.91
6	12	5	14420	6.36	4.10	2.38	1.68	1.29
6	13	4	10434	4.67	3.31	2.14	1.47	1.13
6	13	5	14476	6.78	4.77	3.07	2.12	1.62
6	14	4	9901	4.76	3.44	2.25	1.71	1.39
6	14	5	15779	8.07	5.81	3.81	2.91	2.35
6	15	4	10766	5.70	4.02	2.62	1.98	1.63
6	15	5	14794	8.18	5.73	3.72	2.81	2.31
6	16	4	10776	5.51	3.97	2.69	2.02	1.63
6	16	5	14347	7.57	5.44	3.67	2.77	2.23
6	1	4	10106	5.89	4.12	3.18	2.61	2.24
6	1	5	14827	9.10	6.32	4.88	4.02	3.44
6	2	4	10811	6.45	4.60	3.57	2.90	2.49
6	2	5	15274	9.47	6.74	5.19	4.24	3.62
6	3	4	10056	5.35	3.58	2.51	1.92	1.55
6	3	5	13696	7.59	5.13	3.55	2.73	2.19
6	4	4	10171	4.92	3.43	2.23	1.68	1.34
6	4	5	14612	7.52	5.19	3.36	2.54	2.02
6	5	4	10583	4.86	3.22	2.11	1.58	1.26
6	5	5	14840	7.01	4.65	3.02	2.29	1.83
6	6	4	10611	4.66	3.14	2.01	1.48	1.17
6	6	5	14363	6.56	4.40	2.80	2.09	1.64
6	7	4	10368	4.08	2.64	1.77	1.30	1.01
6	7	5	14882	6.22	4.02	2.70	1.99	1.54

6	8	4	10559	4.88	3.22	2.18	1.63	1.28	
6	8	5	14581	7.09	4.68	3.15	2.37	1.87	
7	9	5	15757	15.70	6.10	5.00	3.90	2.80	2.30
7	9	5	15757	13.80	6.00	4.90	3.80	2.80	2.20
7	9	5	15757	13.40	6.10	4.90	3.80	2.80	2.20
7	9	6	19774	17.80	7.20	6.00	4.50	3.30	2.60
7	9	6	19774	16.30	7.20	6.00	4.60	3.40	2.60
7	9	6	19774	16.10	7.30	6.00	4.60	3.40	2.60
7	10	5	15243	14.80	4.30	3.80	2.80	2.10	1.70
7	10	5	15243	13.00	4.40	3.70	2.80	2.10	1.60
7	10	5	15243	12.50	4.40	3.70	2.80	2.10	1.60
7	10	6	19259	16.40	5.40	4.70	3.50	2.60	2.00
7	10	6	19259	15.00	5.50	4.60	3.50	2.60	2.00
7	10	6	19259	14.80	5.50	4.70	3.50	2.60	2.00
7	11	5	15243	14.40	4.60	3.90	2.80	2.00	1.70
7	11	5	15243	12.50	4.60	3.70	2.80	2.10	1.60
7	11	5	15243	12.00	4.60	3.70	2.80	2.10	1.60
7	11	6	19568	15.80	5.70	4.90	3.50	2.60	2.00
7	11	6	19568	14.40	5.70	4.70	3.50	2.60	2.00
7	11	6	19568	14.10	5.70	4.80	3.50	2.60	2.00
7	12	5	16169	15.30	4.60	3.70	2.50	1.90	1.50
7	12	5	16169	12.70	4.50	3.50	2.40	1.90	1.50
7	12	5	16169	12.10	4.50	3.50	2.40	1.80	1.40
7	12	6	19156	15.90	5.60	4.50	3.10	2.30	1.70
7	12	6	19156	14.50	5.60	4.40	3.10	2.30	1.70
7	12	6	19156	14.30	5.60	4.40	3.10	2.30	1.70
7	13	5	14831	14.70	5.60	4.90	3.50	2.60	1.90
7	13	5	14831	12.80	5.60	4.70	3.40	2.60	1.90
7	13	5	14831	12.40	5.60	4.70	3.40	2.50	1.90
7	13	6	19156	16.30	6.90	5.90	4.30	3.10	2.40
7	13	6	19156	15.00	6.90	5.80	4.20	3.10	2.30
7	13	6	19156	14.80	6.90	5.80	4.20	3.10	2.30
7	14	5	14831	14.50	5.60	4.60	3.60	2.80	2.40
7	14	5	14831	13.10	5.60	4.50	3.60	2.90	2.30
7	14	5	14831	12.70	5.60	4.50	3.60	2.90	2.30
7	14	6	18744	16.70	7.00	5.90	4.60	3.50	3.00
7	14	6	18744	15.40	6.90	5.70	4.50	3.50	3.00
7	14	6	18744	15.10	7.00	5.70	4.50	3.50	3.00
7	15	5	15037	15.90	5.40	4.30	3.40	2.70	2.40
7	15	5	15037	14.00	5.50	4.30	3.40	2.80	2.40
7	15	5	15037	13.50	5.50	4.30	3.50	2.80	2.40
7	15	6	18538	17.90	6.90	5.70	4.40	3.50	3.00
7	15	6	18538	16.50	7.00	5.60	4.40	3.50	3.00
7	15	6	18538	16.10	6.90	5.60	4.40	3.50	3.00
7	16	5	15140	14.30	6.00	5.20	4.10	3.20	2.60
7	16	5	15140	12.80	5.90	5.00	4.00	3.10	2.60
7	16	5	15140	12.50	5.90	5.00	4.00	3.10	2.70
7	16	6	19259	16.20	7.50	6.50	5.20	4.00	3.30
7	16	6	19259	15.20	7.40	6.30	5.00	3.90	3.10
7	16	6	19259	15.00	7.40	6.30	5.00	3.90	3.10
7	1	5	15037	18.10	5.10	4.60	4.00	3.30	2.80
7	1	5	15037	15.30	5.20	4.60	3.90	3.30	2.80
7	1	5	15037	14.50	5.20	4.50	3.90	3.30	2.80
7	1	6	19156	19.10	6.40	5.90	5.00	4.10	3.50

7	1	6	19156	17.20	6.50	5.80	4.90	4.10	3.50
7	1	6	19156	16.70	6.50	5.70	4.90	4.10	3.40
7	2	5	15037	17.40	5.30	4.60	4.10	3.40	2.80
7	2	5	15037	15.20	5.40	4.60	4.00	3.40	2.80
7	2	5	15037	14.60	5.50	4.60	4.00	3.40	2.80
7	2	6	18332	18.90	6.80	5.90	5.00	4.20	3.90
7	2	6	18332	17.30	6.70	5.90	5.00	4.20	3.80
7	2	6	18332	17.00	6.80	5.90	5.00	4.20	3.90
7	3	5	15243	16.90	5.20	4.80	3.80	3.00	2.50
7	3	5	15243	14.90	5.20	4.70	3.80	3.00	2.40
7	3	5	15243	14.30	5.30	4.70	3.80	3.00	2.40
7	3	6	18744	18.60	6.50	6.00	4.80	3.70	3.10
7	3	6	18744	17.20	6.60	5.90	4.70	3.70	3.00
7	3	6	18744	16.90	6.70	5.90	4.70	3.70	3.00
7	4	5	14831	16.80	5.00	4.40	3.50	2.70	2.20
7	4	5	14831	14.50	5.10	4.30	3.40	2.70	2.10
7	4	5	14831	14.10	5.10	4.30	3.50	2.70	2.10
7	4	6	18744	18.40	6.30	5.60	4.40	3.40	2.80
7	4	6	18744	16.90	6.40	5.60	4.40	3.50	2.70
7	4	6	18744	16.70	6.50	5.60	4.40	3.50	2.70
7	5	5	14625	15.10	4.30	3.80	3.00	2.30	2.00
7	5	5	14625	13.30	4.40	3.70	3.00	2.40	1.90
7	5	5	14625	12.80	4.50	3.70	3.00	2.40	1.90
7	5	6	18950	16.70	5.40	4.70	3.80	2.90	2.60
7	5	6	18950	15.40	5.50	4.70	3.80	3.00	2.50
7	5	6	18950	15.20	5.50	4.80	3.80	3.00	2.50
7	6	5	15449	14.70	4.30	3.80	3.00	2.20	1.80
7	6	5	15449	12.90	4.30	3.60	2.90	2.20	1.70
7	6	5	15449	12.80	4.40	3.60	2.90	2.20	1.70
7	6	6	19156	16.50	5.50	4.80	3.70	2.80	2.30
7	6	6	19156	15.10	5.50	4.60	3.70	2.80	2.20
7	6	6	19156	15.00	5.60	4.70	3.70	2.80	2.20
7	7	5	14625	13.80	3.70	3.10	2.50	1.80	1.50
7	7	5	14625	12.00	3.80	3.10	2.50	1.90	1.40
7	7	5	14625	11.60	3.80	3.10	2.50	1.90	1.40
7	7	6	18744	15.30	4.80	4.10	3.20	2.40	1.90
7	7	6	18744	14.10	4.80	4.10	3.20	2.40	1.80
7	7	6	18744	13.90	4.80	4.10	3.20	2.40	1.90
7	8	5	15140	16.70	4.10	3.70	3.00	2.30	2.00
7	8	5	15140	14.10	4.20	3.60	3.00	2.30	1.90
7	8	5	15140	13.50	4.30	3.60	3.00	2.40	1.90
7	8	6	19362	18.10	5.40	4.80	3.90	3.00	2.40
7	8	6	19362	16.30	5.40	4.70	3.80	3.00	2.40
7	8	6	19362	16.10	5.40	4.70	3.80	3.00	2.40

SITE 7

1	5	2	5101	2.40	2.08	1.88	1.73	1.77	1.33	1.14
1	5	2	5187	2.36	2.20	1.88	1.92	1.77	1.53	.94
1	5	4	10231	4.29	3.93	3.81	3.54	3.26	2.91	2.16
1	5	5	14315	5.94	5.51	5.31	4.72	4.56	3.85	3.07
1	4	2	5104	2.87	2.75	2.36	2.32	1.96	1.65	1.06
1	4	2	5137	2.87	2.67	2.36	2.24	2.00	1.45	1.14
1	4	4	10214	5.74	5.31	4.96	4.52	4.05	3.14	2.36

1	4	5	14340	7.79	7.44	7.16	6.45	5.90	4.56	3.50
1	3	2	5104	3.30	3.11	2.87	2.75	2.44	1.96	1.37
1	3	2	5175	3.38	3.14	3.07	2.75	2.44	2.00	1.37
1	3	4	10196	6.49	6.10	5.82	5.35	4.88	3.85	2.87
1	3	5	14252	8.81	8.42	8.14	7.44	6.88	5.39	4.01
1	2	2	5063	4.56	4.25	3.97	3.62	3.26	2.75	2.08
1	2	2	5148	4.52	4.33	4.09	3.85	3.38	2.87	2.08
1	2	4	10190	8.81	8.42	7.95	7.24	6.49	5.27	3.89
1	2	5	14305	11.90	11.40	11.00	10.10	9.21	7.08	5.31
1	1	2	5098	3.97	3.74	3.42	3.22	2.87	2.36	1.65
1	1	2	5140	4.01	3.74	3.54	3.34	2.95	2.44	1.65
1	1	4	10220	7.79	7.36	6.81	6.33	5.66	4.68	3.50
1	1	5	14391	10.70	10.10	9.68	8.85	8.11	6.61	5.03
1	8	2	5063	4.37	4.25	3.89	3.62	3.14	2.67	1.85
1	8	2	5137	4.48	4.33	4.01	3.70	3.26	2.44	1.77
1	8	4	10202	8.50	8.14	7.55	7.04	6.29	5.00	3.58
1	8	5	14397	11.90	11.10	10.80	9.64	9.01	7.00	5.15
1	7	2	5066	3.58	3.34	3.07	2.75	2.55	2.04	1.37
1	7	2	5160	3.58	3.46	3.22	2.83	2.67	2.16	1.45
1	7	4	10214	7.00	6.37	6.10	5.55	5.00	3.77	2.87
1	7	5	14470	9.33	8.74	8.30	7.63	7.00	5.35	4.01
1	6	2	5089	2.36	2.20	1.88	1.73	1.65	1.33	.86
1	6	2	5160	2.36	2.08	2.00	1.85	1.77	1.45	.94
1	6	4	10273	4.56	4.13	4.01	3.62	3.46	2.87	2.08
1	6	5	14582	6.18	5.78	5.74	5.23	4.68	3.77	2.87
1	12	2	5066	4.05	3.85	3.54	3.14	2.75	2.04	1.45
1	12	2	5125	4.29	3.93	3.54	3.22	2.87	2.16	1.37
1	12	4	10249	8.22	7.55	6.92	6.25	5.59	4.17	2.87
1	12	5	14535	11.00	10.20	9.56	8.74	7.71	5.59	4.09
1	11	2	5063	4.17	3.93	3.62	3.34	2.95	2.24	1.57
1	11	2	5133	4.17	3.93	3.74	3.42	2.95	2.44	1.57
1	11	4	10273	8.22	7.63	7.28	6.53	5.98	4.68	3.18
1	11	5	14561	11.30	10.60	10.20	9.25	8.42	6.37	4.68
1	10	2	5051	3.66	3.66	3.22	3.14	2.79	2.24	1.57
1	10	2	5120	3.77	3.66	3.34	3.14	2.75	2.24	1.57
1	10	4	10220	7.40	6.96	6.61	6.02	5.59	4.37	3.30
1	10	5	14615	10.10	9.60	9.17	8.54	7.44	6.10	4.60
1	9	2	5066	5.19	4.72	4.48	4.13	3.74	3.07	2.08
1	9	2	5119	5.27	4.92	4.48	4.25	3.66	2.95	2.08
1	9	4	10178	10.40	9.48	8.89	8.14	7.40	5.78	4.29
1	9	5	14521	14.10	13.20	12.50	11.40	10.40	8.11	6.02
1	16	2	5069	2.75	2.55	2.28	2.24	2.04	1.65	1.25
1	16	2	5148	2.67	2.55	2.36	2.24	1.96	1.85	1.37
1	16	4	10314	5.27	5.00	4.76	4.44	3.97	3.38	2.48
1	16	5	14674	7.40	7.04	6.88	6.33	5.78	4.76	3.70
1	15	2	5066	3.14	3.14	2.67	2.44	2.24	1.85	1.37
1	15	2	5137	3.14	3.07	2.87	2.63	2.32	1.85	1.25
1	15	4	10296	6.29	5.90	5.43	5.03	4.37	3.46	2.59
1	15	5	14706	8.62	8.22	7.99	7.04	6.37	4.76	3.66
1	14	2	5092	3.85	3.74	3.34	3.22	2.87	2.36	1.57
1	14	2	5148	3.97	3.74	3.34	3.22	2.87	2.24	1.45
1	14	4	10196	7.59	7.16	6.81	6.14	5.62	4.37	3.30
1	14	5	14742	10.30	9.80	9.37	8.50	7.91	6.18	4.37
1	13	2	5078	3.58	3.34	3.07	2.75	2.55	2.04	1.25

1	13	2	5142	3.74	3.38	3.07	2.83	2.44	2.04	1.22
1	13	4	10255	7.08	6.57	6.22	5.55	4.88	3.77	2.63
1	13	5	14743	9.72	9.09	8.70	7.83	7.08	5.39	3.58
2	1	5	15760	13.27	12.09	10.28	8.39	6.22	4.33	2.56
2	1	5	15830	13.23	12.01	10.31	8.35	6.22	4.37	2.60
2	1	7	23960	20.00	18.70	16.02	12.99	9.80	6.93	4.21
2	1	8	37110	31.30	29.09	25.00	20.31	15.35	10.98	6.77
2	1	9	48760	41.02	37.44	31.65	25.71	19.45	13.86	8.50
2	2	5	15940	15.87	14.33	12.13	9.53	7.05	4.84	2.83
2	2	5	15540	16.10	14.21	12.05	9.49	7.01	4.80	2.83
2	2	7	24390	22.76	21.22	17.99	14.09	10.47	7.24	4.29
2	2	8	37620	34.29	31.69	27.40	20.75	15.39	10.63	6.26
2	2	9	49010	43.90	41.77	35.98	26.34	19.57	13.46	7.99
2	3	5	15810	10.83	10.00	8.46	6.65	4.84	3.35	1.93
2	3	5	15670	10.31	9.80	8.31	6.54	4.72	3.19	1.85
2	3	7	24040	16.38	15.00	12.68	9.96	7.28	4.92	2.87
2	3	8	37060	25.67	23.82	20.12	15.91	11.73	7.91	4.72
2	3	9	48820	33.54	30.91	26.50	20.71	15.16	10.20	6.14
2	4	5	15800	10.43	9.29	7.76	6.22	4.72	3.66	1.22
2	4	5	15510	10.47	8.98	7.64	6.06	4.72	3.58	1.14
2	4	7	24350	15.47	14.17	12.05	9.61	7.56	5.75	1.57
2	4	8	37330	25.63	23.35	21.38	15.71	12.24	9.49	2.44
2	4	9	49180	35.79	30.79	25.75	20.63	16.14	12.68	3.27
2	5	5	15800	7.32	6.42	5.59	4.57	3.70	2.95	1.57
2	5	5	15670	7.20	6.34	5.51	4.53	3.62	2.91	1.65
2	5	7	24660	10.28	9.88	8.58	7.17	5.79	4.57	2.72
2	5	8	37580	16.73	16.10	14.06	11.65	9.33	7.44	4.57
2	5	9	49690	22.20	20.94	18.19	15.16	12.20	9.76	6.14
2	6	5	15650	8.15	7.24	6.10	5.12	3.74	2.56	1.89
2	6	5	15350	8.11	7.17	6.06	4.92	3.66	2.52	1.85
2	6	7	24360	12.36	11.06	9.53	7.91	5.79	4.33	2.72
2	6	8	37840	19.45	17.87	15.63	12.44	9.49	6.97	4.69
2	6	9	49900	25.00	23.35	20.28	17.09	12.56	9.21	6.34
2	7	5	15560	11.22	10.00	8.31	6.50	4.92	3.23	1.89
2	7	5	15450	11.02	10.31	8.74	6.57	4.92	3.31	1.89
2	7	7	24140	16.85	15.71	13.27	10.39	7.72	5.28	3.15
2	7	8	37580	26.89	25.04	21.10	16.46	12.32	8.43	5.16
2	7	9	49090	35.83	32.13	26.89	20.83	15.71	10.79	6.69
2	8	5	15460	14.33	12.64	10.87	8.70	6.42	4.45	2.64
2	8	5	15190	14.33	12.60	10.79	8.62	6.38	4.41	2.60
2	8	7	24230	21.57	20.00	17.13	13.66	10.20	7.09	4.25
2	8	8	37330	34.96	33.62	27.80	21.57	16.10	11.38	6.81
2	8	8	37330	34.96	33.62	27.80	21.57	16.10	11.38	6.81
2	9	5	15760	16.85	14.92	12.95	10.28	7.44	5.28	2.20
2	9	5	15240	16.50	14.61	12.48	9.84	7.36	5.08	2.01
2	9	7	23950	25.79	23.35	20.04	15.83	11.89	8.35	3.46
2	9	8	36840	40.51	36.26	30.71	24.09	17.99	12.52	5.31
2	9	9	48070	52.91	46.57	38.23	29.84	21.85	14.92	6.61
2	10	5	15340	12.52	11.77	9.92	8.35	6.42	4.45	2.60
2	10	5	15130	12.40	11.81	10.04	8.23	6.46	4.33	2.64
2	10	7	23600	19.65	18.62	15.55	12.60	9.21	6.81	4.29
2	10	8	36840	30.94	28.94	25.00	20.08	15.24	11.02	6.89
2	10	9	48560	39.69	37.44	31.81	25.55	19.61	13.98	9.09
2	11	5	15690	12.87	11.73	10.00	7.76	5.63	3.86	2.32

2	11	5	15380	12.76	11.57	9.88	7.68	5.59	3.74	2.20
2	11	7	24310	19.33	18.11	15.31	11.93	8.74	5.98	3.46
2	11	8	37600	30.71	28.98	24.61	19.29	14.17	9.76	5.98
2	11	9	48550	40.63	38.23	31.69	24.88	18.19	12.52	7.87
2	12	5	15380	13.54	11.93	9.61	7.32	5.16	3.35	1.77
2	12	5	15130	13.39	11.97	9.69	7.32	5.16	3.39	1.85
2	12	7	23810	21.02	19.06	15.31	11.61	8.23	5.43	3.27
2	12	8	36680	30.28	30.83	24.21	18.19	12.80	8.39	5.31
2	12	9	48420	44.33	40.39	31.54	23.58	16.54	10.91	6.81
2	13	5	15700	12.01	10.67	8.82	6.65	4.65	2.87	1.42
2	13	5	15400	11.93	10.63	8.78	6.57	4.61	2.83	1.30
2	13	7	24350	18.07	16.89	13.78	10.55	7.44	4.61	2.17
2	13	8	37680	29.25	26.93	22.01	16.85	12.05	7.52	3.23
2	13	9	49170	24.57	36.50	28.82	21.65	15.24	9.61	4.37
2	14	5	15400	12.72	11.54	9.61	8.03	5.71	3.94	2.40
2	14	5	15080	12.32	11.46	9.76	7.83	5.75	3.98	2.40
2	14	7	24330	19.29	18.27	15.39	12.13	9.09	6.42	4.09
2	14	8	37440	30.43	28.78	24.80	19.53	14.72	10.55	6.50
2	14	9	48230	40.04	37.68	31.81	25.04	18.94	13.31	8.31
2	15	5	14650	11.65	10.43	8.70	6.73	4.88	3.31	1.97
2	15	5	14670	11.57	10.55	8.74	6.73	4.88	3.35	2.01
2	15	7	23840	17.76	16.50	13.54	10.63	7.76	5.35	3.31
2	15	8	37230	27.87	26.89	21.18	16.77	12.01	8.39	5.24
2	15	9	49310	36.65	34.88	27.36	24.53	15.51	10.94	6.81
2	16	5	15890	9.21	8.39	7.28	5.94	4.61	3.39	2.20
2	16	5	15480	9.17	8.31	7.24	5.94	4.61	3.35	2.20
2	16	7	24190	13.98	13.19	11.46	9.37	7.32	5.47	3.58
2	16	8	37580	22.36	21.26	18.23	14.88	11.46	8.50	5.63
2	16	9	49340	30.35	27.48	23.70	19.33	14.84	11.02	7.32
3	1	1	1000	.60	.57	.47	.35	.25		
3	2	1	1000	.70	.67	.54	.40	.29		
3	3	1	1000	.50	.47	.39	.28	.21		
3	4	1	1000	.40	.36	.30	.21	.16		
3	5	1	1000	.31	.29	.26	.19	.16		
3	6	1	1000	.34	.31	.27	.19	.15		
3	7	1	1000	.52	.48	.40	.28	.21		
3	8	1	1000	.69	.64	.51	.36	.26		
3	9	1	1000	.84	.77	.65	.48	.34		
3	10	1	1000	.56	.53	.45	.33	.24		
3	11	1	1000	.63	.58	.47	.33	.23		
3	12	1	1000	.68	.61	.49	.35	.24		
3	13	1	1000	.60	.55	.45	.31	.22		
3	14	1	1000	.66	.61	.50	.36	.26		
3	15	1	1000	.51	.47	.38	.26	.19		
3	16	1	1000	.45	.42	.36	.27	.21		
4	1	4	9728	7.39	6.91	5.92	4.75	3.58	2.49	1.52
4	1	4	9760	7.31	6.78	5.80	4.63	3.50	2.37	1.40
4	1	5	14440	11.25	10.34	8.84	7.08	5.35	3.68	2.22
4	1	7	25184	20.23	18.43	15.76	12.57	9.47	6.57	3.99
4	2	4	9904	9.26	8.50	7.16	5.65	4.13	2.85	1.69
4	2	4	9960	9.14	8.42	7.08	5.49	4.13	2.77	1.65
4	2	5	14760	13.94	12.71	10.68	8.35	6.25	4.23	2.55
4	2	7	25348	23.97	21.90	18.12	14.17	10.57	7.12	4.36
4	3	4	9640	6.22	5.88	5.04	4.05	3.07	2.14	1.40

4	3	4	9728	6.18	5.80	4.96	3.93	2.99	2.02	1.28
4	3	5	14528	9.34	8.79	7.52	5.98	4.56	3.05	1.97
4	3	7	25200	16.54	15.33	13.12	10.48	7.94	5.34	3.37
4	4	4	9904	5.73	5.27	4.52	3.56	2.75	2.06	1.44
4	4	4	9816	5.69	5.27	4.48	3.52	2.71	2.02	1.40
4	4	5	14480	8.78	8.05	6.84	5.40	4.21	3.13	2.26
4	4	7	25152	15.93	14.39	12.12	9.54	7.47	5.62	4.28
4	5	4	9728	4.14	3.84	3.44	2.78	2.28	1.78	1.36
4	5	4	9720	4.14	3.88	3.48	2.78	2.32	1.82	1.44
4	5	5	14576	6.18	5.80	5.08	4.22	3.46	2.65	2.02
4	5	7	25344	10.89	10.09	8.84	7.37	6.05	4.67	3.70
4	6	4	9800	4.71	4.33	3.80	3.03	2.40	1.74	1.19
4	6	4	9712	4.63	4.21	3.72	2.95	2.28	1.62	1.11
4	6	5	14656	7.07	6.46	5.64	4.50	3.54	2.53	1.73
4	6	7	25096	12.35	11.16	9.80	7.82	6.13	4.39	3.09
4	7	4	9640	7.03	6.42	5.52	4.30	3.22	2.22	1.36
4	7	4	9736	6.99	6.46	5.48	4.30	3.22	2.22	1.40
4	7	5	14576	10.52	9.60	8.20	6.43	4.80	3.28	2.06
4	7	7	25128	18.16	16.47	13.96	10.97	8.25	5.62	3.58
4	8	4	9856	8.13	7.64	6.56	5.24	3.97	2.73	1.65
4	8	4	9800	8.13	7.64	6.56	5.24	3.97	2.69	1.69
4	8	5	14424	12.35	11.48	9.84	7.78	5.94	4.04	2.47
4	8	7	25256	22.14	20.27	17.28	13.59	10.34	7.08	4.53
4	9	4	9712	9.99	9.03	7.68	6.06	4.52	3.05	1.60
4	9	4	9752	9.91	8.99	7.60	6.06	4.44	3.01	1.56
4	9	5	14408	15.20	13.65	11.48	9.13	6.80	4.51	2.26
4	9	7	24816	27.67	24.48	20.52	17.07	12.03	8.11	4.03
4	10	4	9600	7.60	7.19	6.20	5.00	3.77	2.61	1.65
4	10	4	9696	7.68	7.19	6.20	4.95	3.77	2.57	1.60
4	10	5	14376	11.58	10.87	9.36	7.49	5.66	3.88	2.47
4	10	7	25088	20.40	18.88	16.28	13.06	9.91	6.85	4.44
4	11	4	9624	7.72	7.19	6.04	4.71	3.50	2.33	1.40
4	11	4	9784	7.72	7.19	6.12	4.71	3.50	2.26	1.36
4	11	5	14240	11.86	11.03	9.32	7.25	5.42	3.56	2.18
4	11	7	25136	20.64	19.04	16.00	12.45	9.16	6.05	3.70
4	12	4	9416	8.29	7.48	6.08	4.63	3.26	2.06	1.19
4	12	4	9568	8.37	7.52	6.12	4.63	3.22	2.02	1.19
4	12	5	14376	12.92	11.52	9.36	7.12	4.99	3.13	1.85
4	12	7	24936	22.96	20.07	16.08	12.04	8.41	5.30	3.13
4	13	4	9808	7.48	6.74	5.68	4.30	3.03	1.86	.99
4	13	4	9800	7.48	6.74	5.68	4.26	2.95	1.86	.95
4	13	5	14568	11.34	10.22	8.52	6.39	4.48	2.73	1.40
4	13	7	25224	19.50	17.45	16.64	10.93	7.66	4.59	2.47
4	14	4	9632	7.56	6.99	5.92	4.67	3.50	2.37	1.60
4	14	4	9736	7.72	7.11	6.08	4.75	3.62	2.53	1.73
4	14	5	14464	11.74	10.79	9.20	7.25	5.46	3.76	2.47
4	14	7	25264	20.44	18.59	15.84	12.41	9.35	6.37	4.20
4	15	4	9464	7.07	6.33	5.24	4.05	2.95	2.06	1.32
4	15	4	9608	7.15	6.42	5.28	3.97	2.99	2.02	1.32
4	15	5	14536	10.60	9.52	7.88	6.06	4.48	3.09	2.02
4	15	7	25160	18.00	16.06	13.24	10.20	7.51	5.18	3.50
4	16	4	9760	5.40	5.03	4.36	3.56	2.83	2.06	1.40
4	16	4	9688	5.40	5.03	4.36	3.52	2.79	2.06	1.40
4	16	5	14536	8.17	7.60	6.60	5.32	4.21	3.05	2.06

4	16	7	25536	14.26	13.12	11.36	9.21	7.27	5.22	3.54
5	5	2	5050	3.80	1.70	1.40	1.20			
5	5	2	5030	3.80	1.70	1.40	1.20			
5	5	3	6910	5.20	2.50	2.00	1.70			
5	5	3	6970	5.30	2.50	1.00	1.60			
5	4	2	5210	3.40	2.10	1.60	1.20			
5	4	2	5230	3.30	2.10	1.50	1.20			
5	4	3	7010	4.70	2.90	2.20	1.70			
5	4	3	6920	4.80	2.90	2.20	1.70			
5	3	2	5070	3.50	2.50	1.90	1.40			
5	3	2	5120	3.70	2.50	1.90	1.40			
5	3	3	6970	5.00	3.50	2.70	2.00			
5	3	3	6990	5.10	3.50	2.70	2.00			
5	2	2	5120	4.40	3.40	2.50	1.90			
5	2	2	5030	4.60	3.40	2.50	1.90			
5	2	3	6950	6.20	4.80	3.60	2.60			
5	2	3	9020	6.30	4.80	3.60	2.60			
5	1	2	5170	4.10	3.10	2.30	1.70			
5	1	2	5150	4.10	3.00	2.30	1.70			
5	1	3	6980	5.70	4.30	3.20	2.30			
5	1	3	7020	5.60	4.20	3.20	2.30			
5	8	2	5100	4.40	3.10	2.30	1.60			
5	8	2	5170	4.40	3.10	2.30	1.70			
5	8	3	7070	6.20	4.40	3.30	2.30			
5	8	3	6980	6.10	4.40	3.20	2.30			
5	7	2	5160	3.60	2.60	2.00	1.40			
5	7	2	5140	3.40	2.50	1.90	1.40			
5	7	3	7040	4.80	3.60	2.70	2.00			
5	7	3	6960	4.70	3.60	2.60	2.00			
5	6	2	5130	2.50	1.70	1.30	.90			
5	6	2	5070	2.50	1.70	1.30	1.00			
5	6	3	6900	3.40	2.40	1.80	1.40			
5	6	3	6980	3.40	2.40	1.80	1.40			
5	12	2	5140	4.20	3.10	2.30	1.60			
5	12	2	5050	4.20	3.10	2.20	1.60			
5	12	3	7030	5.90	4.40	3.10	2.30			
5	12	3	7020	5.90	4.30	3.10	2.30			
5	11	2	5110	4.50	3.20	2.40	1.70			
5	11	2	5190	4.40	3.30	2.40	1.70			
5	11	3	6970	6.20	4.40	3.30	2.40			
5	11	3	6860	6.10	4.50	3.30	2.40			
5	10	2	5120	4.40	2.90	2.20	1.70			
5	10	2	5090	4.30	3.00	2.20	1.70			
5	10	3	7030	5.90	4.10	3.10	2.40			
5	10	3	6900	5.90	4.10	3.10	2.40			
5	9	2	5160	5.40	4.00	3.00	2.20			
5	9	2	5160	5.40	4.00	3.00	2.20			
5	9	3	7020	7.60	5.50	4.20	3.00			
5	9	3	6940	7.50	5.50	4.10	3.10			
5	16	2	5190	3.10	2.30	1.80	1.40			
5	16	2	5160	3.10	2.30	1.80	1.40			
5	16	3	7080	4.30	3.30	2.60	2.10			
5	16	3	6960	4.30	3.30	2.50	2.00			
5	15	2	5120	3.30	2.40	1.80	1.30			

5	15	2	5140	3.40	2.40	1.70	1.40	
5	15	3	6970	4.60	3.40	2.50	1.90	
5	15	3	6960	4.60	3.40	2.50	1.90	
5	14	2	5100	4.40	3.30	2.50	1.90	
5	14	2	5150	4.30	3.30	2.50	1.90	
5	14	3	6960	6.00	4.50	3.50	2.60	
5	14	3	6950	6.00	4.40	3.40	2.60	
5	13	2	5130	4.10	2.90	2.10	1.50	
5	13	2	5160	4.10	2.90	2.10	1.50	
5	13	6	6960	5.70	4.10	3.00	2.10	
5	13	6	6890	5.70	4.00	3.00	2.10	
6	13	4	10332	6.89	5.97	4.11	2.97	2.14
6	13	5	14912	9.08	7.83	5.18	3.63	2.48
6	14	4	11856	6.81	5.73	3.87	2.80	2.03
6	14	5	15221	9.04	7.68	5.20	3.78	2.74
6	15	4	10815	6.13	5.18	3.43	2.44	1.74
6	15	5	15102	8.89	7.58	5.01	3.61	2.60
6	16	4	10227	4.79	4.12	3.04	2.32	1.75
6	16	5	15054	7.40	6.40	4.77	3.68	2.78
6	9	4	11495	8.79	7.28	5.06	3.73	2.75
6	9	5	14322	13.55	11.49	8.24	6.37	4.86
6	10	4	10133	6.35	5.22	3.72	2.76	2.04
6	10	5	14756	11.80	9.91	7.32	5.59	4.28
6	11	4	10547	6.36	5.47	3.74	2.64	1.91
6	11	5	14662	10.94	9.59	6.75	4.91	3.69
6	12	4	10378	7.37	5.78	3.73	2.57	1.83
6	12	5	14595	12.78	10.35	6.86	4.81	3.52
6	6	4	10458	4.76	3.77	2.81	2.10	1.63
6	6	5	14875	8.15	6.71	5.09	3.92	3.09
6	7	4	10111	5.35	4.64	3.26	2.40	1.82
6	7	5	14726	9.44	8.36	6.08	4.63	3.62
6	8	4	10638	6.92	5.79	3.88	2.73	1.91
6	8	5	14459	11.15	9.62	6.73	4.78	3.43
6	1	4	10487	5.55	4.66	3.23	2.24	1.56
6	1	5	14630	8.97	7.69	5.38	3.78	2.67
6	2	4	10381	6.61	5.33	3.67	2.57	1.80
6	2	5	14453	11.04	9.07	6.47	4.54	3.22
6	3	4	10270	5.33	4.71	3.38	2.42	1.75
6	3	5	15028	8.18	7.13	5.19	3.81	2.79
6	4	4	10279	5.54	4.63	3.17	2.26	1.64
6	4	5	14831	8.47	7.12	4.91	3.52	2.57
6	5	4	10597	4.76	3.31	2.58	2.05	1.67
6	5	5	14878	6.95	5.01	3.92	3.15	2.58
7	1	5	14831	11.10	10.00	8.70	6.90	5.00 3.80
7	1	5	14831	11.10	10.10	8.70	6.80	5.00 3.70
7	1	5	14831	11.10	10.10	8.70	6.80	5.00 3.70
7	1	6	18950	13.80	12.40	10.90	8.50	6.20 4.60
7	1	6	18950	13.80	12.50	10.90	8.50	6.30 4.60
7	1	6	18950	13.90	12.60	10.90	8.50	6.30 4.60
7	2	5	14831	13.30	11.90	10.20	7.80	5.60 4.10
7	2	5	14831	13.10	11.80	10.00	7.70	5.60 4.10
7	2	5	14831	13.00	11.80	10.00	7.70	5.60 4.10
7	2	6	18744	16.60	14.80	12.70	9.70	6.90 5.10
7	2	6	18744	16.20	14.60	12.40	9.40	6.90 5.00

7	2	6	18744	16.30	14.60	12.40	9.50	7.00	5.00
7	3	5	15037	9.80	8.90	7.60	6.00	4.30	3.10
7	3	5	15037	9.80	8.90	7.50	5.90	4.30	3.00
7	3	5	15037	9.90	8.90	7.50	5.90	4.30	3.00
7	3	6	18847	12.20	11.10	9.60	7.40	5.40	3.90
7	3	6	18847	12.10	11.00	9.40	7.30	5.30	3.80
7	3	6	18847	12.10	11.00	9.40	7.20	5.30	3.70
7	4	5	15449	9.00	7.90	6.70	5.30	4.00	3.10
7	4	5	15549	8.80	7.80	6.50	5.20	4.00	3.00
7	4	5	15549	8.80	7.80	6.50	5.20	3.90	3.00
7	4	6	18538	11.10	9.80	8.40	6.50	4.90	3.90
7	4	6	18538	10.90	9.70	8.20	6.40	4.90	3.80
7	4	6	18538	11.00	9.70	8.20	6.40	4.90	3.80
7	5	5	14831	6.50	5.90	5.20	4.30	3.50	3.00
7	5	5	14831	6.30	5.70	5.00	4.20	3.50	2.90
7	5	5	14831	6.30	5.70	5.00	4.20	3.50	2.90
7	5	6	18950	7.90	7.20	6.40	5.40	4.30	3.70
7	5	6	18950	7.80	7.20	6.30	5.30	4.30	3.60
7	5	6	18950	7.80	7.10	6.30	5.20	4.30	3.60
7	6	5	15243	7.50	6.80	5.90	4.70	3.50	2.70
7	6	5	15243	7.10	6.50	5.50	4.40	3.30	2.50
7	6	5	15243	7.00	6.40	5.40	4.30	3.30	2.50
7	6	6	20186	9.00	8.20	7.10	5.60	4.10	3.20
7	6	6	20186	8.80	8.00	6.90	5.40	4.10	3.10
7	6	6	20186	8.80	8.00	6.80	5.40	4.10	3.10
7	7	5	15449	11.30	10.20	8.80	6.90	5.00	4.40
7	7	5	15449	11.00	9.90	8.50	6.60	4.80	3.60
7	7	5	15449	11.00	9.90	8.50	6.60	4.80	3.60
7	7	6	19362	14.00	12.60	10.90	8.50	6.10	4.60
7	7	6	19362	13.70	12.40	10.60	8.20	6.00	4.40
7	7	6	19362	13.70	12.30	10.60	8.20	6.00	4.40
7	8	5	14831	12.70	11.60	10.00	7.80	5.60	4.10
7	8	5	14831	12.70	11.60	9.90	7.70	5.60	4.10
7	8	5	14831	12.70	11.60	9.90	7.80	5.70	4.00
7	8	6	18950	16.10	14.50	12.60	9.70	7.00	5.10
7	8	6	18950	16.00	14.50	12.50	9.60	7.00	5.00
7	8	6	18950	16.10	14.50	12.50	9.60	7.00	5.00
7	9	5	15037	15.00	13.40	11.60	9.10	6.70	5.00
7	9	5	15037	14.60	13.10	11.30	8.80	6.50	4.80
7	9	5	15037	14.60	13.10	11.30	8.80	6.50	4.80
7	9	6	19156	18.30	16.20	14.20	11.10	8.10	5.90
7	9	6	19156	18.40	16.30	14.10	10.90	8.10	5.90
7	9	6	19156	18.50	16.30	14.10	10.80	8.10	5.80
7	10	5	15243	12.30	11.20	9.60	7.70	5.70	4.30
7	10	5	15243	12.00	11.00	9.40	7.40	5.60	4.10
7	10	5	15243	12.00	10.90	9.40	7.40	5.60	4.10
7	10	6	19362	15.50	14.10	12.30	9.60	7.10	5.40
7	10	6	19362	15.20	13.70	11.90	9.40	7.00	5.20
7	10	6	19362	15.10	13.70	11.90	9.30	7.00	5.20
7	11	5	15346	12.70	11.70	10.00	7.70	5.60	4.10
7	11	5	15346	12.40	11.40	9.60	7.40	5.40	3.90
7	11	5	15346	12.40	11.30	9.60	7.40	5.40	3.90
7	11	6	19156	16.10	14.60	12.60	9.60	7.00	5.20
7	11	6	19156	15.60	14.20	12.10	9.30	6.80	4.90

7	11	6	19156	15.70	14.30	12.10	9.30	6.80	5.00
7	12	5	15243	13.20	11.70	9.70	7.30	5.20	3.70
7	12	5	15243	13.20	11.70	9.60	7.20	5.10	3.60
7	12	5	15243	13.20	11.60	9.60	7.20	5.10	3.60
7	12	6	19465	16.90	14.80	12.30	9.20	6.40	4.60
7	12	6	19465	16.70	14.60	12.00	8.90	6.40	4.40
7	12	6	19465	16.70	14.60	12.00	9.00	6.30	4.40
7	13	5	15449	12.30	10.90	9.20	6.90	4.70	3.30
7	13	5	15449	11.90	10.60	8.80	6.60	4.60	3.10
7	13	5	15449	11.80	10.60	8.70	6.60	4.60	3.10
7	13	6	19568	15.40	13.70	11.60	8.60	5.90	4.10
7	13	6	19568	15.00	13.30	11.10	8.20	5.80	4.00
7	13	6	19568	14.90	13.30	11.10	8.20	5.70	4.00
7	14	5	15243	12.90	11.80	10.20	8.00	5.80	4.30
7	14	5	15243	12.80	11.70	10.00	7.80	5.80	4.30
7	14	5	15243	12.80	11.60	9.90	7.80	5.70	4.20
7	14	6	19465	16.10	14.70	12.80	9.90	7.20	5.50
7	14	6	19465	16.00	14.60	12.60	9.70	7.20	5.40
7	14	6	19465	16.10	14.60	12.60	9.80	7.20	5.30
7	15	5	15037	12.10	10.80	9.10	7.00	5.00	3.70
7	15	5	15037	12.00	10.70	9.00	6.80	4.90	3.70
7	15	5	15037	11.90	10.60	8.90	6.80	4.90	3.60
7	15	6	19568	14.60	13.00	11.10	8.30	6.00	4.40
7	15	6	19568	14.50	12.90	10.90	8.20	5.90	4.30
7	15	6	19568	14.40	12.90	10.90	8.20	5.90	4.30
7	16	5	15449	9.10	8.30	7.20	5.90	4.50	3.60
7	16	5	15449	8.80	8.00	7.00	5.60	4.40	3.40
7	16	5	15449	8.70	8.00	6.90	5.60	4.30	3.40
7	16	6	20186	11.10	10.10	8.90	7.20	5.50	4.60
7	16	6	20186	10.90	9.90	8.70	7.00	5.40	4.30
7	16	6	20186	10.90	9.90	8.70	7.00	5.40	4.30

SITE 8

1	1	2	5057	4.05	.22	.18	.15	.15	.12	.07
1	1	2	5133	3.97	.22	.16	.16	.15	.11	.07
1	1	4	10231	7.99	4.33	.36	.33	.30	.24	.17
1	1	5	14500	10.90	6.29	5.27	4.84	4.40	.34	.24
1	2	2	5067	3.97	.28	.24	.21	.18	.13	.08
1	2	2	5116	3.97	.28	.24	.21	.18	.12	.07
1	2	4	10148	7.91	5.70	4.96	4.33	.38	.26	.16
1	2	5	14419	10.90	8.03	7.16	6.25	5.47	.36	.24
1	3	2	5054	3.97	.27	.23	.21	.18	.13	.08
1	3	2	5137	3.97	.26	.22	.20	.19	.13	.09
1	3	4	10207	7.79	5.31	4.96	4.25	3.97	.25	.19
1	3	5	14487	10.70	7.75	6.96	6.33	5.66	.38	.28
1	4	2	5066	.33	.24	.20	.20	.17	.14	.09
1	4	2	5125	.34	.23	.22	.20	.17	.14	.09
1	4	4	10237	6.81	4.72	4.29	3.93	.35	.28	.19
1	4	5	14423	9.40	6.69	6.10	5.55	5.19	3.97	.27
1	5	2	5054	.33	.22	.18	.16	.14	.10	.08
1	5	2	5107	.33	.22	.18	.16	.15	.11	.08
1	5	4	10108	6.85	4.44	.38	.34	.29	.22	.17
1	5	5	14441	9.33	6.10	5.35	4.88	4.29	.33	.23

1	6	2	5057	.35	.22	.18	.16	.15	.13	.07
1	6	2	5128	.33	.22	.18	.17	.15	.12	.08
1	6	4	10202	6.69	4.25	.38	.35	.31	.25	.19
1	6	5	14404	9.05	6.18	5.43	5.03	4.64	.36	.26
1	7	2	5057	.30	.20	.16	.14	.13	.10	.07
1	7	2	5128	.31	.20	.16	.14	.13	.10	.07
1	7	4	10178	6.02	.37	.34	.30	.27	.21	.17
1	7	5	14376	8.42	5.51	4.96	4.33	3.97	.31	.23
1	8	2	5070	.35	.23	.20	.19	.16	.14	.09
1	8	2	5166	.36	.23	.22	.19	.17	.13	.09
1	8	4	10213	7.08	4.60	4.29	.37	.35	.26	.19
1	8	5	14342	9.40	6.57	6.02	5.43	5.00	.38	.27
1	9	2	5074	.31	.20	.18	.17	.14	.11	.08
1	9	2	5148	.31	.20	.18	.17	.14	.12	.09
1	9	4	10273	6.37	4.44	4.21	.36	.31	.24	.17
1	9	5	14694	8.70	6.49	5.94	5.35	4.64	.33	.25
1	10	2	5066	4.88	.38	.33	.29	.25	.19	.12
1	10	2	5034	4.76	.38	.32	.28	.25	.18	.12
1	10	4	10267	9.72	7.44	6.49	5.94	5.39	3.97	.27
1	10	5	14677	13.30	10.50	9.48	8.42	7.71	5.66	4.25
1	11	2	5063	.31	.22	.20	.19	.16	.14	.09
1	11	2	5101	.31	.22	.20	.17	.15	.14	.09
1	11	4	10243	6.37	4.52	4.09	.37	.34	.26	.19
1	11	5	14641	8.77	6.37	6.02	5.55	5.00	.38	.30
1	12	2	5054	.27	.18	.16	.13	.13	.10	.06
1	12	2	5157	.28	.18	.16	.14	.13	.09	.06
1	12	4	10308	5.66	.36	.33	.29	.26	.20	.12
1	12	5	14708	7.71	5.19	4.76	4.25	.37	.28	.20
1	13	2	5066	4.17	.28	.26	.24	.22	.17	.11
1	13	2	5139	4.17	.30	.27	.24	.21	.17	.13
1	13	4	10302	7.99	5.78	5.27	4.84	4.40	.34	.24
1	13	5	14624	10.80	7.83	7.40	6.73	6.14	4.76	.34
1	14	2	5092	.32	.22	.18	.17	.14	.10	.07
1	14	2	5131	.32	.22	.18	.15	.14	.09	.05
1	14	4	10249	6.69	4.25	.38	.33	.28	.20	.12
1	14	5	14582	9.01	6.18	5.55	4.84	4.17	.29	.19
1	15	2	5039	.35	.24	.22	.20	.17	.13	.07
1	15	2	5137	.35	.24	.20	.20	.18	.12	.07
1	15	4	10202	7.04	4.92	4.48	4.09	.35	.25	.19
1	15	5	14565	9.84	7.12	6.49	5.74	5.19	.38	.27
1	16	2	5060	4.17	.28	.23	.19	.16	.11	.07
1	16	2	5131	4.05	.27	.22	.19	.16	.12	.07
1	16	4	10255	8.30	5.51	4.88	3.93	.32	.22	.14
1	16	5	14570	11.40	7.95	6.96	5.74	4.88	.32	.22
2	1	5	16410	10.43	6.69	5.43	4.25	3.07	2.24	1.46
2	1	5	16450	10.24	6.69	5.39	4.25	3.07	2.20	1.42
2	1	7	23060	18.74	10.00	8.23	6.42	4.76	3.39	2.24
2	1	8	38220	32.91	18.70	15.24	11.89	8.78	6.34	4.17
2	1	9	49090	42.87	25.75	20.91	16.34	12.09	8.70	5.71
2	2	5	15410	10.67	7.05	5.51	4.02	2.68	1.69	1.06
2	2	5	15270	10.94	7.05	5.51	4.02	2.68	1.73	1.06
2	2	7	22380	14.76	10.79	8.46	6.22	4.13	2.60	1.69
2	2	8	37440	27.52	19.61	15.47	11.30	7.60	4.84	3.11
2	2	9	48990	36.26	26.54	20.94	15.35	10.39	6.65	4.29

2	3	5	15340	9.02	7.20	6.06	4.33	3.23	2.32	1.50
2	3	5	15270	8.98	7.28	6.02	4.17	3.15	2.24	1.50
2	3	7	22450	13.98	11.18	9.29	6.46	4.88	3.54	2.36
2	3	8	37540	25.79	20.39	16.77	11.85	8.90	6.50	4.37
2	3	9	49240	35.00	27.56	22.64	16.14	12.17	8.94	6.02
2	4	5	15520	8.90	7.09	5.98	4.65	3.27	2.09	1.46
2	4	5	15630	9.06	6.97	5.91	4.57	3.23	2.05	1.46
2	4	7	22060	12.83	10.51	8.86	6.89	4.88	3.07	2.17
2	4	8	37440	23.58	18.94	15.94	12.48	8.82	5.47	3.94
2	4	9	49060	31.46	25.28	21.42	16.77	11.81	7.32	5.28
2	5	5	15480	10.28	6.73	5.35	4.09	3.03	2.20	1.42
2	5	5	15480	10.35	6.81	5.43	4.17	3.07	2.24	1.46
2	5	7	22200	13.82	10.00	7.95	6.10	4.49	3.23	2.13
2	5	8	37440	25.94	18.43	14.69	11.26	8.39	6.06	4.06
2	5	9	49060	33.70	24.96	20.04	15.47	11.57	8.39	5.59
2	6	5	15880	9.92	6.65	5.59	4.45	3.31	2.40	1.61
2	6	5	15410	9.69	6.50	5.51	4.33	3.23	2.32	1.61
2	6	7	22850	14.17	9.80	8.31	6.57	4.88	3.58	2.44
2	6	8	37620	24.96	17.72	15.00	11.89	8.90	6.50	4.53
2	6	9	49380	34.29	23.90	20.31	16.14	12.01	8.70	6.22
2	7	5	15450	8.58	5.59	4.61	3.58	2.72	1.97	1.34
2	7	5	15300	8.43	5.55	4.57	3.54	2.64	1.93	1.34
2	7	7	21950	12.09	8.54	7.05	5.51	4.17	3.15	2.17
2	7	8	37720	22.20	15.51	12.80	9.92	7.52	5.63	3.94
2	7	9	49700	29.84	20.98	17.24	13.46	10.20	7.64	5.31
2	8	5	15590	8.70	6.69	5.51	4.33	3.15	2.17	1.69
2	8	5	15550	8.58	6.61	5.51	4.29	3.23	2.13	1.61
2	8	7	21600	13.54	10.24	8.58	6.69	5.00	3.70	2.56
2	8	8	37440	24.37	18.70	15.67	12.36	8.98	6.61	4.80
2	8	9	49060	33.03	25.35	21.26	16.73	12.32	9.09	6.50
2	9	5	15410	8.46	6.50	4.80	3.82	2.83	1.81	1.50
2	9	5	15520	8.43	6.54	4.72	3.86	2.87	1.85	1.42
2	9	7	22740	12.13	10.00	8.07	6.10	4.53	3.23	2.40
2	9	8	37690	22.48	17.95	14.53	11.10	8.23	6.06	4.33
2	9	9	49270	30.43	24.17	20.24	15.04	11.22	8.35	6.02
2	10	5	15200	12.52	10.16	8.35	6.30	4.49	3.15	2.05
2	10	5	15120	12.20	10.24	8.39	6.34	4.53	3.19	2.09
2	10	7	22060	18.07	15.28	12.60	9.57	6.93	4.92	3.23
2	10	8	37220	31.42	26.57	21.89	16.73	12.17	8.74	5.83
2	10	9	48840	42.36	34.80	28.62	21.97	16.06	11.57	7.76
2	11	5	15630	8.66	7.01	5.94	4.61	3.35	2.48	1.65
2	11	5	15410	8.62	7.05	5.91	4.61	3.43	2.44	1.61
2	11	7	22350	12.60	10.55	8.90	6.93	5.12	3.70	2.36
2	11	8	37400	23.03	19.29	16.38	12.91	9.57	6.89	4.45
2	11	9	49490	31.89	26.02	22.13	17.52	13.07	9.45	6.14
2	12	5	16300	7.60	5.51	4.25	3.50	2.44	1.65	1.14
2	12	5	15840	7.52	5.39	4.29	3.23	2.36	1.65	1.06
2	12	7	22960	10.39	7.99	6.57	4.88	3.46	2.56	1.69
2	12	8	37790	19.06	14.84	12.05	9.21	6.50	4.69	3.11
2	12	9	49520	27.28	20.04	16.50	12.60	9.09	6.50	4.37
2	13	5	15450	10.67	8.50	6.97	5.28	3.86	2.48	1.65
2	13	5	15450	10.55	8.62	6.89	5.28	3.86	2.48	1.61
2	13	7	22100	15.59	12.36	10.04	7.72	5.39	3.66	2.24
2	13	8	37510	27.17	21.30	17.40	13.31	9.41	6.46	4.02

2	13	9	49240	36.65	28.43	23.19	17.60	12.44	8.46	5.28
2	14	5	15200	8.43	6.34	4.76	3.39	2.32	1.57	.91
2	14	5	15410	8.98	6.30	4.76	3.39	2.28	1.50	.91
2	14	7	21850	12.24	9.49	7.24	5.16	3.46	2.28	1.42
2	14	8	37260	23.15	17.76	13.54	9.65	6.57	4.37	2.60
2	14	9	49560	32.17	24.45	18.62	13.39	9.06	5.94	3.74
2	15	5	14910	9.49	7.05	5.75	4.25	3.11	2.13	1.42
2	15	5	14980	9.61	7.05	5.71	4.29	3.07	2.13	1.34
2	15	7	21670	14.02	10.87	8.78	6.61	4.72	3.27	2.05
2	15	8	37330	26.46	20.12	16.18	12.09	8.66	6.02	3.78
2	15	9	49520	36.54	27.72	22.24	16.65	11.93	8.27	5.16
2	16	5	14730	10.04	7.13	5.12	3.62	2.52	1.61	.98
2	16	5	14700	10.08	7.17	5.16	3.62	2.52	1.61	.94
2	16	7	21630	16.02	10.98	7.83	5.63	3.78	2.52	1.50
2	16	8	37080	29.41	20.28	14.41	10.24	6.97	4.61	2.76
2	16	9	48880	40.59	27.95	19.72	14.06	9.57	6.30	3.90
3	1	1	1000	.39	.35	.30	.21	.16		
3	2	1	1000	.48	.42	.33	.20	.14		
3	3	1	1000	.45	.38	.32	.21	.15		
3	4	1	1000	.45	.41	.35	.24	.17		
3	5	1	1000	.39	.33	.27	.18	.14		
3	6	1	1000	.41	.37	.31	.21	.16		
3	7	1	1000	.35	.30	.25	.17	.13		
3	8	1	1000	.41	.36	.30	.21	.16		
3	9	1	1000	.36	.32	.26	.17	.13		
3	10	1	1000	.59	.53	.44	.29	.21		
3	11	1	1000	.40	.37	.31	.21	.16		
3	12	1	1000	.34	.31	.25	.16	.12		
3	13	1	1000	.61	.57	.48	.33	.23		
3	14	1	1000	.38	.34	.26	.16	.11		
3	15	1	1000	.44	.40	.33	.22	.16		
3	16	1	1000	.52	.43	.30	.18	.13		
4	1	4	10138	7.99	3.86	3.27	2.60	1.93	1.34	.91
4	1	4	10058	7.80	3.86	3.27	2.52	1.93	1.30	.91
4	1	5	14952	11.77	5.94	5.04	3.94	2.95	2.05	1.46
4	1	7	25313	20.71	10.59	8.94	6.97	5.24	3.62	2.48
4	2	4	9963	7.76	4.80	3.82	2.80	1.89	1.22	.83
4	2	4	9915	7.64	4.76	3.86	2.76	1.89	1.22	.83
4	2	5	14714	11.69	7.28	5.75	4.13	2.87	1.81	1.22
4	2	7	25313	20.63	12.91	10.24	7.36	5.04	3.19	2.13
4	3	4	9947	7.01	4.65	3.82	2.68	1.97	1.42	.98
4	3	4	9899	6.89	4.72	3.82	2.72	2.01	1.46	1.06
4	3	5	14778	10.71	7.20	5.79	4.06	2.99	2.13	1.57
4	3	7	25313	19.13	12.87	10.43	7.28	5.47	3.98	2.80
4	4	4	9852	6.22	4.25	3.58	2.80	2.01	1.26	.87
4	4	4	9804	6.14	4.21	3.54	2.76	2.01	1.22	.91
4	4	5	14619	9.33	6.38	5.39	4.17	3.03	1.81	1.42
4	4	7	25472	16.50	11.14	9.45	7.36	5.24	3.07	2.24
4	5	4	9963	6.57	3.66	2.91	2.24	1.69	1.18	.87
4	5	4	9868	6.50	3.66	2.91	2.20	1.69	1.18	.87
4	5	5	14571	9.76	5.55	4.45	3.35	2.52	1.73	1.26
4	5	7	25360	17.32	9.92	7.95	6.02	4.49	3.15	2.24
4	6	4	9868	6.50	3.74	3.19	2.52	1.93	1.38	1.02
4	6	4	9788	6.38	3.70	3.15	2.48	1.89	1.34	1.02

4	6	5	14682	9.57	5.67	4.84	3.86	2.91	2.09	1.57
4	6	7	25297	16.81	10.04	8.54	6.81	5.20	3.66	2.80
4	7	4	9899	6.22	3.39	2.80	2.20	1.69	1.22	.91
4	7	4	9804	6.02	3.35	2.80	2.17	1.69	1.22	.91
4	7	5	14635	9.13	5.16	4.33	3.35	2.60	1.93	1.42
4	7	7	25329	16.02	9.17	7.64	5.94	4.65	3.35	2.48
4	8	4	10042	6.61	4.29	3.58	2.80	2.13	1.54	1.14
4	8	4	9884	6.46	4.17	3.50	2.72	2.05	1.46	1.06
4	8	5	14651	9.88	6.38	5.39	4.13	3.15	2.24	1.69
4	8	7	25360	17.48	11.26	9.57	7.36	5.55	4.02	2.99
4	9	4	9931	5.55	3.74	2.99	2.28	1.60	1.30	.87
4	9	4	9884	5.51	3.74	2.99	2.28	1.73	1.22	.98
4	9	5	14746	8.50	5.79	4.69	3.50	2.68	1.93	1.50
4	9	7	25551	15.31	10.55	8.46	6.38	4.92	3.54	2.72
4	10	4	9820	8.74	6.14	5.04	3.78	2.72	1.85	1.34
4	10	4	9836	8.62	6.10	5.00	3.78	2.72	1.85	1.34
4	10	5	14635	13.15	9.45	7.72	5.87	4.25	2.91	2.09
4	10	7	25186	22.95	16.50	13.46	10.20	7.44	5.08	3.66
4	11	4	9868	5.75	4.09	3.43	2.72	2.05	1.46	1.02
4	11	4	9820	5.67	4.06	3.46	2.76	2.05	1.50	1.02
4	11	5	14666	8.78	6.26	5.31	4.21	3.11	2.24	1.61
4	11	7	25392	15.75	11.34	9.65	7.60	5.71	4.13	2.87
4	12	4	9756	5.28	3.27	2.64	2.01	1.46	1.02	.71
4	12	4	9772	5.24	3.27	2.64	2.01	1.46	1.02	.71
4	12	5	14603	7.99	5.08	4.09	3.07	2.24	1.57	1.10
4	12	7	25472	14.33	9.02	7.52	5.55	4.17	2.91	2.09
4	13	4	9804	7.95	5.75	4.84	3.70	2.64	1.77	1.14
4	13	4	9756	7.83	5.71	4.84	3.66	2.64	1.77	1.14
4	13	5	14603	11.97	8.66	7.24	5.43	3.98	2.60	1.73
4	13	7	25202	21.14	15.12	12.52	9.45	6.93	4.65	3.03
4	14	4	9725	6.46	4.02	3.07	2.17	1.54	1.02	.71
4	14	4	9725	6.30	3.98	2.99	2.13	1.50	.98	.67
4	14	5	14587	9.84	6.10	4.65	3.23	2.24	1.46	.94
4	14	7	25392	17.83	11.18	8.50	5.98	4.17	2.68	1.77
4	15	4	9725	6.77	4.49	3.66	2.83	2.09	1.46	.98
4	15	4	9756	6.69	4.41	3.62	2.80	2.05	1.38	.94
4	15	5	14651	10.35	6.93	5.63	4.29	3.19	2.20	1.46
4	15	7	25265	18.58	12.52	10.12	7.72	5.63	3.86	2.56
4	16	4	9756	7.20	4.80	3.39	2.36	1.61	1.10	.75
4	16	4	9756	7.17	4.76	3.35	2.32	1.65	1.02	.71
4	16	5	14635	11.26	7.40	5.20	3.54	2.48	1.57	1.06
4	16	7	25281	20.51	13.50	9.41	6.46	4.53	2.91	1.85
5	1	2	5020	3.70	.60	.30	.30			
5	1	2	5090	3.90	.70	.30	.30			
5	1	3	7080	6.40	1.00	.50	.30			
5	1	3	7150	6.30	.90	.50	.30			
5	2	2	5090	5.70	1.10	.40	.30			
5	2	2	5100	5.70	1.10	.40	.30			
5	2	3	6930	9.30	1.60	.50	.50			
5	2	3	6920	9.20	1.60	.50	.40			
5	3	2	5120	6.50	1.30	.70	.50			
5	3	2	5070	6.60	1.30	.70	.50			
5	3	3	6940	10.70	1.90	.90	.80			
5	3	3	6910	10.70	1.90	.90	.80			

5	4	2	5120	6.10	1.10	.40	.30	
5	4	2	5050	6.10	1.00	.40	.30	
5	4	3	6900	10.10	1.50	.50	.40	
5	4	3	6940	10.40	1.50	.50	.40	
5	5	2	4970	4.20	.40	.20	.20	
5	5	2	4960	4.10	.40	.20	.20	
5	5	3	6980	6.90	.60	.30	.30	
5	5	3	6890	6.90	.60	.30	.20	
5	6	2	5020	5.20	1.30	.70	.60	
5	6	2	5100	5.30	1.30	.70	.60	
5	6	3	6900	8.20	1.80	.90	.80	
5	6	3	6990	8.20	1.80	1.00	.80	
5	7	2	5140	4.50	.90	.60	.60	
5	7	2	5060	4.40	.90	.60	.60	
5	7	3	6940	7.10	1.20	.80	.80	
5	7	3	7010	7.10	1.20	.80	.80	
5	8	2	5040	5.00	.90	.40	.30	
5	8	2	5080	5.00	.90	.40	.30	
5	8	3	7140	8.30	1.30	.50	.50	
5	8	3	7040	8.30	1.30	.50	.50	
5	9	2	5090	5.60	.90	.50	.50	
5	9	2	5050	5.50	.90	.50	.50	
5	9	3	6850	8.40	1.20	.70	.60	
5	9	3	6980	8.40	1.20	.70	.60	
5	10	2	4980	3.90	.60	.40	.40	
5	10	2	5120	3.90	.60	.40	.40	
5	10	3	6870	5.80	.90	.60	.50	
5	10	3	6910	5.90	.90	.60	.50	
5	11	2	5010	5.20	.70	.30	.30	
5	11	2	5030	5.20	.70	.30	.20	
5	11	3	7010	9.00	1.00	.40	.30	
5	11	3	7080	9.10	1.00	.40	.30	
5	12	2	5050	4.20	.70	.40	.30	
5	12	2	5010	4.10	.70	.40	.30	
5	12	3	6810	6.60	1.00	.50	.50	
5	12	3	6940	6.60	1.00	.50	.50	
5	13	2	5140	4.10	.60	.30	.20	
5	13	2	5120	4.10	.60	.30	.20	
5	13	3	7110	6.60	.90	.40	.30	
5	13	3	7130	6.60	.90	.40	.30	
5	14	2	5070	4.40	.60	.30	.20	
5	14	2	5080	4.50	.60	.30	.30	
5	14	3	6920	7.00	.90	.40	.30	
5	14	3	6880	7.00	.90	.40	.30	
5	15	2	5020	4.30	.50	.30	.20	
5	15	2	4890	4.40	.50	.30	.20	
5	15	3	6900	6.80	.70	.40	.30	
5	15	3	6900	7.00	.70	.40	.30	
5	16	2	5090	5.70	1.10	.40	.30	
5	16	2	5100	5.70	1.10	.40	.30	
5	16	3	6930	9.30	1.60	.50	.50	
5	16	3	6920	9.20	1.60	.50	.40	
6	9	4	10140	4.88	3.88	2.66	1.91	1.44
6	9	5	14326	7.32	5.82	3.99	2.89	2.17

6	10	4	10521	7.05	3.17	4.20	2.90	2.10	
6	10	5	14843	10.48	9.24	6.24	4.34	3.16	
6	11	4	10473	5.21	4.38	3.03	2.13	1.55	
6	11	5	14293	7.45	6.27	4.32	3.05	2.22	
6	12	4	10476	4.39	3.52	2.30	1.54	1.07	
6	12	5	14793	6.49	5.21	3.40	2.28	1.60	
6	13	4	10263	6.10	5.05	3.47	2.31	1.60	
6	13	5	14669	9.11	7.54	5.16	3.50	2.42	
6	14	4	10470	5.17	4.18	2.34	1.51	1.00	
6	14	5	14722	7.61	6.16	3.43	2.22	1.45	
6	15	4	10400	5.33	4.33	2.84	1.95	1.33	
6	15	5	15212	8.40	6.86	4.52	3.12	2.13	
6	16	4	10318	6.09	4.75	2.53	1.64	1.08	
6	16	5	14808	9.20	7.20	3.79	2.46	1.61	
6	1	4	9783	4.50	3.55	2.20	1.55	1.11	
6	1	5	14867	7.26	5.74	3.54	2.52	1.81	
6	2	4	10085	5.31	4.32	2.55	1.68	1.09	
6	2	5	14911	8.25	6.74	3.96	2.62	1.70	
6	3	4	10177	5.45	4.44	2.65	1.80	1.34	
6	3	5	14758	8.37	6.83	4.04	2.72	2.03	
6	4	4	10544	5.08	4.21	2.80	1.90	1.15	
6	4	5	15087	7.54	6.26	4.14	2.83	1.69	
6	5	4	10470	5.11	3.93	2.50	1.78	1.29	
6	5	5	14740	7.52	5.79	3.68	2.63	1.91	
6	6	4	10082	4.72	3.96	2.67	1.92	1.43	
6	6	5	14910	7.37	6.18	4.20	3.05	2.30	
6	7	4	10086	4.42	3.50	2.36	1.71	1.29	
6	7	5	14361	6.62	5.24	3.54	2.60	1.98	
6	8	4	10247	5.32	4.42	3.00	2.13	1.54	
6	8	5	14409	7.87	6.55	4.44	3.18	2.29	
7	1	5	15037	14.30	6.30	5.20	4.10	3.00	2.20
7	1	5	15037	13.00	6.10	5.10	4.00	3.00	2.20
7	1	5	15037	12.50	6.20	5.10	4.00	3.00	2.20
7	1	6	18950	16.40	7.90	6.70	5.20	3.70	2.80
7	1	6	18950	15.70	7.80	6.50	5.00	3.70	2.80
7	1	6	18950	15.20	7.80	6.50	5.00	3.70	2.80
7	2	5	14934	13.20	7.80	6.20	4.40	3.00	2.00
7	2	5	14934	12.60	7.60	6.00	4.40	2.90	2.00
7	2	5	14934	12.50	7.60	6.10	4.40	2.90	2.00
7	2	6	19259	15.90	9.60	7.80	5.50	3.60	2.50
7	2	6	19259	15.60	9.60	7.70	5.50	3.70	2.50
7	2	6	19259	15.50	9.60	7.70	5.50	3.70	2.50
7	3	5	14831	12.30	7.50	6.20	4.30	3.10	2.40
7	3	5	14831	11.80	7.50	6.10	4.20	3.10	2.40
7	3	5	14831	11.70	7.50	6.10	4.20	3.10	2.40
7	3	6	19568	15.10	9.60	8.00	5.50	4.00	3.10
7	3	6	19568	14.60	9.60	7.80	5.40	4.10	3.10
7	3	6	19568	14.50	9.60	7.80	5.40	4.10	3.10
7	4	5	15552	11.40	7.00	6.00	4.60	3.30	2.00
7	4	5	15552	11.00	7.00	5.90	4.60	3.30	2.00
7	4	5	15552	10.90	7.00	5.90	4.60	3.30	2.00
7	4	6	18744	13.90	8.80	7.60	5.90	4.20	2.50
7	4	6	18744	13.50	8.90	7.60	5.80	4.20	2.50
7	4	6	18744	13.50	8.90	7.60	5.80	4.20	2.50

7	5	5	14625	10.40	5.90	4.80	3.70	2.70	2.10
7	5	5	14625	10.10	5.90	4.70	3.70	2.80	2.00
7	5	5	14625	10.00	5.90	4.70	3.70	2.80	2.00
7	5	6	19156	12.80	7.60	6.20	4.70	3.50	2.70
7	5	6	19156	12.50	7.60	6.20	4.70	3.50	2.60
7	5	6	19156	12.50	7.60	6.20	4.70	3.50	2.60
7	6	5	15243	12.20	6.30	5.40	4.30	3.10	2.40
7	6	5	15243	11.40	6.30	5.30	4.20	3.10	2.40
7	6	5	15243	11.10	6.30	5.30	4.10	3.10	2.40
7	6	6	19568	14.40	8.00	6.90	5.40	4.00	3.10
7	6	6	19568	13.70	8.00	6.80	5.30	4.00	3.00
7	6	6	19568	13.50	8.00	6.80	5.30	4.00	3.00
7	7	5	15243	9.80	5.70	4.70	3.70	2.80	2.20
7	7	5	15243	9.50	5.70	4.60	3.70	2.80	2.10
7	7	5	15243	9.40	5.80	4.60	3.70	2.80	2.10
7	7	6	19156	12.00	7.30	6.10	4.70	3.50	2.80
7	7	6	19156	11.70	7.30	6.00	4.60	3.50	2.70
7	7	6	19156	11.70	7.30	6.00	4.60	3.50	2.70
7	8	5	15037	11.00	6.50	5.50	4.30	3.10	2.50
7	8	5	15037	10.70	6.50	5.40	4.20	3.10	2.40
7	8	5	15037	10.60	6.50	5.40	4.20	3.10	2.40
7	8	6	18538	13.50	8.20	7.00	5.40	3.90	3.10
7	8	6	18538	13.10	8.10	6.90	5.30	3.90	3.00
7	8	6	18538	13.00	8.10	6.90	5.30	3.90	3.00
7	9	5	15449	8.90	5.90	4.70	3.60	2.60	2.10
7	9	5	15449	8.60	5.90	4.60	3.50	2.60	2.00
7	9	5	15449	8.50	5.90	4.60	3.50	2.60	2.00
7	9	6	18744	11.00	7.60	6.10	4.60	3.30	2.70
7	9	6	18744	10.80	7.50	6.00	4.50	3.40	2.60
7	9	6	18744	10.80	7.50	6.00	4.60	3.40	2.60
7	10	5	14625	13.70	9.50	7.80	5.90	4.10	3.10
7	10	5	14625	13.30	9.40	7.80	5.70	4.10	3.00
7	10	5	14625	13.20	9.40	7.80	5.70	4.10	3.00
7	10	6	19671	17.10	12.10	10.20	7.40	5.30	4.00
7	10	6	19671	16.60	11.90	9.90	7.30	5.30	3.90
7	10	6	19671	16.50	11.90	9.90	7.20	5.20	3.90
7	11	5	15243	10.10	6.70	5.60	4.40	3.30	2.60
7	11	5	15243	9.90	6.70	5.60	4.40	3.20	2.50
7	11	5	15243	9.80	6.70	5.60	4.40	3.20	2.40
7	11	6	19362	12.70	8.80	7.50	5.80	4.30	3.40
7	11	6	19362	12.40	8.60	7.20	5.60	4.20	3.30
7	11	6	19362	12.30	8.60	7.20	5.60	4.20	3.30
7	12	5	15655	8.90	5.00	3.90	3.00	2.10	1.70
7	12	5	15655	8.40	4.90	3.80	2.90	2.10	1.60
7	12	5	15655	8.30	4.90	3.80	2.90	2.10	1.60
7	12	6	19465	11.00	6.30	5.20	3.90	2.80	2.10
7	12	6	19465	10.50	6.30	5.00	3.80	2.80	2.00
7	12	6	19465	10.40	6.30	5.00	3.80	2.80	2.00
7	13	5	15243	12.40	8.60	7.20	5.40	3.80	2.80
7	13	5	15243	12.10	8.60	7.10	5.30	3.80	2.70
7	13	5	15243	12.10	8.70	7.20	5.40	3.90	2.80
7	13	6	19568	15.50	10.90	9.20	6.80	4.70	3.50
7	13	6	19568	15.10	10.80	9.00	6.70	4.70	3.40
7	13	6	19568	15.10	10.90	9.10	6.70	4.80	3.40

7	14	5	14934	10.90	6.00	4.60	3.30	2.10	1.50
7	14	5	14934	10.30	5.90	4.50	3.20	2.20	1.50
7	14	5	14934	10.10	5.90	4.50	3.20	2.20	1.50
7	14	6	19259	13.40	7.80	6.10	4.30	2.80	2.00
7	14	6	19259	12.80	7.60	5.90	4.10	2.80	1.90
7	14	6	19259	12.70	7.70	5.90	4.10	2.80	1.90
7	15	5	14831	10.60	6.90	5.60	4.30	3.00	2.30
7	15	5	14831	10.40	6.90	5.60	4.30	3.10	2.20
7	15	5	14831	10.30	6.90	5.60	4.30	3.10	2.20
7	15	6	19053	13.40	8.90	7.40	5.50	4.00	3.00
7	15	6	19053	13.10	8.80	7.30	5.40	4.00	3.00
7	15	6	19053	13.10	8.90	7.30	5.50	4.00	3.00
7	16	5	15243	12.80	6.90	4.90	3.30	2.20	1.70
7	16	5	15243	12.40	6.90	4.80	3.30	2.20	1.70
7	16	5	15243	12.20	7.00	4.90	3.30	2.20	1.60
7	16	6	19465	15.90	9.00	6.50	4.30	2.80	2.20
7	16	6	19465	15.40	8.90	6.30	4.30	2.90	2.10
7	16	6	19465	15.30	8.90	6.30	4.30	2.90	2.10

SITE 9

1	16	2	5042	15.30	7.51	3.62	1.14	.39	.35	.35
1	16	2	5133	14.20	7.24	3.54	1.14	.43	.35	.35
1	16	4	10142	26.90	13.70	7.12	1.88	.62	.55	.55
1	16	5	14199	34.60	18.00	9.48	2.59	.62	.62	.74
1	15	2	5039	17.90	9.76	4.48	1.02	.43	.23	.23
1	15	2	5110	16.60	9.44	4.56	1.10	.55	.43	.35
1	15	4	10125	31.90	18.30	9.29	2.20	.35	.62	.55
1	15	5	14222	42.00	24.00	12.40	3.11	.55	.74	.74
1	14	2	5030	15.80	7.59	3.54	1.02	.62	.51	.43
1	14	2	5131	14.20	7.20	3.54	1.02	.55	.43	.43
1	14	4	10172	27.50	14.00	7.08	2.00	.94	.74	.74
1	14	5	14311	35.70	18.50	9.68	2.67	.94	1.06	.86
1	13	2	5024	13.10	6.41	3.07	1.02	.51	.35	.35
1	13	2	5107	11.50	5.94	2.95	.98	.43	.43	.35
1	13	4	10160	22.10	11.40	6.02	1.85	.82	.74	.62
1	13	5	14399	29.10	15.50	8.22	2.67	1.14	1.10	.94
1	12	2	5045	14.30	6.61	3.14	1.02	.62	.55	.43
1	12	2	5113	13.10	6.14	2.95	1.14	.62	.62	.43
1	12	4	10166	24.70	11.80	5.94	1.77	1.06	.82	.86
1	12	5	14413	32.10	15.70	8.14	2.48	1.25	1.14	1.06
1	11	2	5039	17.20	9.56	4.84	1.45	.62	.35	.35
1	11	2	5107	16.00	9.05	4.84	1.53	.62	.39	.35
1	11	4	10142	31.20	17.90	9.76	3.18	1.25	.74	.86
1	11	5	14360	41.40	12.20	13.50	4.60	1.77	1.14	1.06
1	10	2	5063	12.70	5.90	2.67	.82	.74	.62	.39
1	10	2	5137	12.00	5.74	2.55	.94	.62	.74	.51
1	10	4	10184	22.80	11.00	5.43	1.73	1.25	1.06	.78
1	10	5	14435	29.80	14.60	7.55	2.59	1.77	1.33	1.10
1	9	2	5042	16.50	8.22	3.89	1.14	.62	.74	.55
1	9	2	5116	15.30	8.18	4.09	1.45	.78	.62	.62
1	9	4	10125	30.10	16.10	8.22	2.59	1.14	1.14	1.06
1	9	5	14352	40.10	22.20	11.90	3.70	1.65	1.53	1.37
1	8	2	5045	14.80	7.51	4.21	1.69	.82	.55	.43

1	8	2	5122	12.80	7.04	4.09	1.73	.82	.55	.35
1	8	4	10148	24.40	13.70	8.14	3.38	1.49	.62	.74
1	8	5	14425	32.00	18.20	11.10	4.68	2.04	.90	.94
1	7	2	5027	12.20	6.18	3.07	.94	.39	.35	.35
1	7	2	5131	11.20	5.98	3.14	1.14	.43	.55	.51
1	7	4	10196	21.20	11.10	6.02	1.88	.62	.74	.43
1	7	5	14649	27.90	15.00	8.42	2.43	.78	.74	.86
1	6	2	5033	16.70	9.01	4.68	1.57	.74	.62	.43
1	6	2	5107	15.50	8.81	4.56	1.57	.74	.55	.43
1	6	4	10196	30.30	17.40	9.84	3.58	1.45	1.14	.94
1	6	5	14565	40.00	23.70	13.90	5.19	2.04	1.45	1.25
1	5	2	5048	16.30	7.87	3.54	.70	.23	.43	.43
1	5	2	5104	14.90	7.40	3.54	.70	.23	.35	.35
1	5	4	10160	28.80	14.70	7.16	1.29	.62	.62	.55
1	5	5	14500	37.70	19.60	9.76	1.77	.74	.62	.86
1	4	2	5018	18.80	9.96	5.07	1.69	.62	.27	.35
1	4	2	5089	17.60	9.56	5.07	1.77	.74	.43	.39
1	4	4	10178	35.20	19.80	11.00	3.89	1.33	.55	.55
1	4	5	14441	47.50	27.30	15.90	6.10	2.20	.82	.86
1	3	2	4992	23.90	12.30	6.02	1.88	.94	.55	.35
1	3	2	5087	20.50	11.00	5.74	1.88	.94	.62	.35
1	3	4	10119	40.80	22.70	12.30	4.17	1.77	1.06	.86
1	3	5	14372	54.30	30.90	17.50	6.37	2.44	1.33	1.25
1	2	2	5004	18.80	10.40	5.43	1.49	.43	.35	.55
1	2	2	5080	16.50	9.17	5.07	1.69	.62	.43	.35
1	2	4	10190	33.70	19.20	11.00	3.77	.94	.62	.86
1	2	5	14519	45.10	26.20	15.50	5.70	1.65	.90	1.25
1	1	2	5045	12.40	6.37	3.07	.90	.35	.35	.35
1	1	2	5092	11.20	5.98	2.95	.98	.35	.43	.35
1	1	4	10246	21.60	11.60	6.22	2.00	.74	.74	.62
1	1	5	14655	28.60	15.50	8.50	2.95	1.14	1.06	.86
2	1	5	15380	24.29	9.65	1.46	.91	.87	.75	.67
2	1	5	15090	23.46	9.29	1.42	.87	.83	.71	.59
2	1	7	22170	32.17	13.07	2.13	1.22	1.26	1.06	.91
2	1	8	36790	50.75	20.47	3.66	2.01	2.28	2.01	1.77
2	1	9	47730	64.21	25.79	4.84	2.40	2.91	2.64	2.32
2	2	5	15730	37.09	17.76	2.91	.71	.98	.91	.79
2	2	5	15730	38.15	18.27	2.99	.75	1.06	.94	.79
2	2	7	22880	53.86	27.01	4.57	.79	1.46	1.34	1.10
2	2	8	36400	68.03	45.04	7.76	.55	2.36	2.40	2.01
2	2	9	47410	84.33	59.45	10.16	.00	2.60	3.19	2.64
2	3	5	15590	49.09	25.39	5.08	1.73	1.34	1.18	.91
2	3	5	15520	43.62	22.80	4.53	1.57	1.26	1.14	.91
2	3	7	22710	64.13	33.50	6.77	2.01	1.69	1.46	1.30
2	3	7	22710	64.13	33.50	6.77	2.01	1.69	1.46	1.30
2	3	7	22710	64.13	33.50	6.77	2.01	1.69	1.46	1.30
2	4	5	15660	37.52	17.95	3.07	.87	.71	.63	.51
2	4	5	15450	38.07	18.11	3.03	.83	.71	.59	.43
2	4	7	22850	55.67	26.93	4.57	.91	.83	.79	.67
2	4	8	36400	93.43	46.65	8.11	.63	1.14	1.42	1.30
2	4	8	36400	93.43	46.65	8.11	.63	1.14	1.42	1.30
2	5	5	15730	34.80	15.63	2.60	1.50	1.26	1.06	.83
2	5	5	15450	33.19	14.96	2.60	1.46	1.26	.98	.83
2	5	7	22710	48.58	21.46	3.66	1.97	1.85	1.50	1.22

2	5	8	36790	79.29	34.45	6.10	2.91	3.11	2.56	2.09
2	5	8	36790	79.29	34.45	6.10	2.91	3.11	2.56	2.09
2	6	5	15700	38.62	18.98	4.41	1.81	1.54	1.30	1.06
2	6	5	15630	37.36	18.62	4.53	1.85	1.54	1.30	1.06
2	6	7	22560	52.05	26.34	6.34	2.36	2.17	1.89	1.61
2	6	7	22560	52.05	26.34	6.34	2.36	2.17	1.89	1.61
2	6	7	22560	52.05	26.34	6.34	2.36	2.17	1.89	1.61
2	7	5	15800	27.91	13.15	2.17	.91	1.06	.98	.83
2	7	5	15840	27.13	12.91	2.24	.91	1.06	.98	.83
2	7	7	22420	35.67	17.36	2.91	1.06	1.46	1.34	1.10
2	7	7	22420	35.67	17.36	2.91	1.06	1.46	1.34	1.10
2	7	7	22420	35.67	17.36	2.91	1.06	1.46	1.34	1.10
2	8	5	15550	26.85	12.76	2.52	.91	1.06	.91	.87
2	8	5	15630	27.01	12.95	2.52	.91	1.02	.94	.87
2	8	7	22530	36.81	18.11	3.50	1.14	1.38	1.30	1.14
2	8	8	36650	56.61	27.99	5.79	1.69	2.24	2.20	2.09
2	8	9	47230	70.20	36.18	7.72	1.93	2.76	2.87	2.72
2	9	5	15270	32.64	13.35	2.13	1.61	1.14	.94	.83
2	9	5	14840	31.54	12.87	2.20	1.69	1.30	1.18	.94
2	9	7	22170	46.10	18.74	2.83	2.05	1.93	1.69	1.42
2	9	7	22170	46.10	18.74	2.83	2.05	1.93	1.69	1.42
2	9	7	22170	46.10	18.74	2.83	2.05	1.93	1.69	1.42
2	10	5	15700	24.33	8.98	2.05	1.50	1.14	.94	.79
2	10	5	15700	23.03	8.78	2.01	1.46	1.10	.94	.75
2	10	7	22060	31.97	12.24	2.72	2.09	1.65	1.38	1.14
2	10	8	36970	52.80	19.88	4.06	3.31	2.72	2.17	1.89
2	10	9	48200	66.54	25.47	5.12	4.06	3.50	2.87	2.40
2	11	5	15590	35.83	15.08	2.20	1.18	.98	.83	.71
2	11	5	15800	34.65	14.92	2.28	1.22	1.06	.91	.79
2	11	7	23310	47.80	21.10	3.03	1.57	1.54	1.22	1.06
2	11	8	36830	77.13	34.45	4.41	1.85	2.40	2.09	1.89
2	11	8	36830	77.13	34.45	4.41	1.85	2.40	2.09	1.89
2	12	5	15160	26.77	10.24	1.42	1.26	1.06	.94	.79
2	12	5	15270	26.61	10.28	1.38	1.22	.98	.98	.75
2	12	7	22200	36.97	14.21	1.89	1.65	1.50	1.34	1.14
2	12	8	37080	59.25	22.52	2.99	2.72	2.68	2.40	2.05
2	12	9	48380	73.70	28.78	3.58	3.39	3.50	3.15	2.68
2	13	5	15410	25.71	9.57	1.42	.94	.87	.75	.63
2	13	5	15410	24.80	9.49	1.46	.94	.87	.79	.59
2	13	7	22310	34.13	13.46	2.17	1.30	1.22	.94	.91
2	13	8	37080	55.12	22.28	3.19	2.09	2.20	1.89	1.65
2	13	9	48130	67.64	28.27	3.94	2.52	2.76	2.36	2.09
2	14	5	15380	30.91	11.54	1.02	.91	.91	.75	.59
2	14	5	15270	27.91	11.10	1.34	1.02	.91	.75	.59
2	14	7	22420	38.86	15.43	1.85	1.38	1.30	1.14	.98
2	14	8	36720	63.86	24.92	2.13	2.17	2.44	2.01	1.81
2	14	9	48090	82.20	31.65	2.13	2.20	2.95	2.48	2.13
2	15	5	15520	32.20	11.57	.94	.71	.47	.35	.39
2	15	5	15300	31.93	11.61	.94	.83	.63	.47	.55
2	15	7	22810	44.76	16.46	1.30	.94	.98	.87	.75
2	15	8	36830	73.43	26.61	1.30	1.38	1.97	1.65	1.38
2	15	9	48090	92.72	33.94	1.02	1.18	2.44	2.05	1.85
2	16	5	15270	28.03	11.22	.83	.63	.67	.55	.43
2	16	5	15230	27.20	10.91	.87	.67	.75	.59	.47

2	16	7	22170	37.87	15.12	1.18	.91	1.14	.94	.83
2	16	8	37040	61.02	23.78	1.54	1.34	1.93	1.65	1.42
2	16	9	47980	75.39	29.57	1.73	1.46	2.52	2.17	1.81
3	1	1	1000	.57	.25	.11	.06	.06		
3	2	1	1000	.90	.42	.16	.08	.08		
3	3	1	1000	.99	.43	.18	.10	.90		
3	4	1	1000	.90	.40	.14	.06	.06		
3	5	1	1000	.67	.22	.08	.05	.06		
3	6	1	1000	.80	.37	.16	.09	.08		
3	7	1	1000	.57	.24	.11	.06	.06		
3	8	1	1000	.75	.37	.16	.08	.07		
3	9	1	1000	.84	.36	.17	.10	.09		
3	10	1	1000	.59	.26	.14	.08	.07		
3	11	1	1000	.83	.36	.15	.08	.07		
3	12	1	1000	.67	.28	.14	.08	.08		
3	13	1	1000	.63	.26	.12	.07	.07		
3	14	1	1000	.74	.29	.14	.08	.08		
3	15	1	1000	.83	.30	.11	.06	.06		
3	16	1	1000	.69	.27	.11	.06	.06		
4	1	4	9820	20.00	5.20	.75	.63	.63	.51	.51
4	1	4	9868	19.13	5.20	.83	.63	.63	.51	.51
4	1	5	14571	27.24	7.52	1.10	.87	.87	.67	.71
4	1	7	24502	44.41	12.01	1.73	1.34	1.54	1.22	1.22
4	2	4	9343	29.17	9.21	1.34	.67	.67	.55	.51
4	2	4	9343	27.68	9.02	1.38	.67	.67	.55	.51
4	2	5	13999	40.87	13.70	1.89	.87	1.02	.87	.83
4	2	7	23740	69.92	23.70	2.64	.94	1.65	1.42	1.30
4	3	4	9216	33.94	10.00	1.65	1.10	.91	.71	.67
4	3	4	9248	33.15	9.84	1.61	1.02	.87	.63	.67
4	3	5	13840	48.90	15.39	2.48	1.57	1.34	1.02	1.02
4	3	7	23597	82.64	27.36	3.90	2.28	2.17	1.65	1.65
4	4	4	9264	29.37	9.29	1.77	.87	.59	.43	.39
4	4	4	9232	28.62	9.25	1.77	.87	.59	.43	.43
4	4	5	13920	42.32	14.02	2.60	1.14	.87	.67	.75
4	4	7	23740	71.61	23.58	3.86	1.26	1.22	.91	1.06
4	5	4	9518	25.98	6.06	.00	.43	.51	.43	.35
4	5	4	9582	25.43	5.98	.00	.43	.55	.39	.43
4	5	5	14222	35.79	8.58	.00	.63	.83	.63	.71
4	5	7	24200	57.83	14.09	.04	.83	1.50	1.14	1.18
4	6	4	9423	26.65	8.15	1.50	1.06	.83	.67	.59
4	6	4	9455	25.75	8.15	1.54	1.06	.83	.67	.59
4	6	5	14094	37.24	12.05	2.20	1.57	1.26	.98	.87
4	6	7	23978	61.81	19.80	3.31	2.28	2.09	1.69	1.54
4	7	4	9677	19.65	5.35	.63	.59	.63	.63	.51
4	7	4	9645	18.82	5.28	.63	.59	.59	.59	.51
4	7	5	14412	27.05	7.64	.83	.79	.87	.75	.71
4	7	7	24582	43.86	11.93	.83	.94	1.30	1.14	1.06
4	8	4	9518	22.64	7.56	1.30	.67	.71	.63	.59
4	8	4	9518	22.28	7.52	1.30	.67	.71	.63	.59
4	8	5	14253	31.46	10.87	1.81	.87	1.02	.87	.87
4	8	7	24312	50.43	17.52	2.87	1.18	1.65	1.46	1.50
4	9	4	9455	25.91	6.54	1.22	1.14	.94	.79	.71
4	9	4	9486	25.43	6.54	1.18	1.10	.91	.71	.67
4	9	5	14142	37.09	9.76	1.61	1.50	1.30	1.02	.94

4	9	7	23883	61.93	16.22	2.20	2.32	2.17	1.69	1.65
4	10	4	9645	20.00	4.57	1.02	.87	.67	.55	.51
4	10	4	9661	19.45	4.57	1.02	.87	.67	.55	.51
4	10	5	14349	27.87	6.65	1.54	1.30	1.02	.83	.75
4	10	7	24693	46.26	10.67	2.24	2.24	1.73	1.38	1.22
4	11	4	9280	27.48	8.19	1.42	.91	.75	.59	.63
4	11	4	9296	26.57	8.03	1.38	.83	.67	.59	.59
4	11	5	13951	38.86	11.81	1.85	1.14	.98	.83	.83
4	11	7	23962	65.39	19.09	2.40	1.46	1.65	1.38	1.34
4	12	4	9598	22.52	5.28	.87	.87	.67	.63	.59
4	12	4	9629	21.97	5.24	.87	.79	.63	.59	.51
4	12	5	14333	31.42	7.48	1.10	1.14	.98	.83	.79
4	12	7	24502	51.30	11.81	1.46	1.89	1.73	1.46	1.34
4	13	4	9550	20.47	5.51	.91	.75	.67	.59	.59
4	13	4	9534	19.96	5.43	.91	.75	.71	.55	.63
4	13	5	14317	28.62	7.80	1.18	.94	.87	.71	.75
4	13	7	24598	47.24	12.80	1.65	1.46	1.46	1.14	1.18
4	14	4	9407	23.90	6.02	.98	.83	.71	.59	.59
4	14	4	9518	23.35	5.87	.94	.79	.71	.51	.55
4	14	5	14253	33.98	8.62	1.30	1.14	1.02	.79	.79
4	14	7	24328	56.18	13.86	1.46	1.73	1.65	1.22	1.18
4	15	4	9264	27.95	7.13	.71	.47	.47	.39	.39
4	15	4	9359	27.76	7.17	.71	.43	.51	.39	.43
4	15	5	13999	39.61	10.43	.87	.75	.79	.63	.67
4	15	7	23962	63.86	16.18	.87	.98	1.26	.91	1.02
4	16	4	9502	23.82	6.22	.63	.47	.47	.39	.35
4	16	4	9566	23.19	6.34	.67	.55	.51	.47	.39
4	16	5	14269	33.39	8.98	.75	.71	.71	.59	.55
4	16	7	24328	54.69	13.70	.79	.98	1.22	.98	.98
5	8	2	5110	2.80	1.90	1.40	1.00			
5	8	2	5030	2.90	1.90	1.40	1.10			
5	8	3	6950	4.00	2.60	1.90	1.50			
5	8	3	6920	3.90	2.60	2.00	1.50			
5	7	2	5080	2.40	1.40	1.00	.80			
5	7	2	5110	2.40	1.40	1.10	.80			
5	7	3	6900	3.30	1.90	1.50	1.10			
5	7	3	6850	3.30	2.00	1.50	1.10			
5	6	2	5100	2.80	1.70	1.20	.90			
5	6	2	5060	2.70	1.70	1.20	1.00			
5	6	3	6900	3.80	2.40	1.80	1.40			
5	6	3	6910	3.80	2.40	1.70	1.30			
5	5	2	5030	2.50	1.40	1.00	.80			
5	5	2	5020	2.50	1.40	1.00	.80			
5	5	3	6950	3.50	2.00	1.40	1.10			
5	5	3	6880	3.40	1.90	1.40	1.00			
5	4	2	5070	2.40	1.50	1.10	.80			
5	4	2	5020	2.40	1.50	1.10	.80			
5	4	3	6920	3.30	2.10	1.60	1.10			
5	4	3	6970	3.40	2.10	1.60	1.10			
5	3	2	5110	2.70	1.60	1.10	.80			
5	3	2	5030	2.70	1.70	1.10	.80			
5	3	3	6850	3.70	2.30	1.60	1.20			
5	3	3	6900	3.70	2.30	1.60	1.10			
5	2	2	5110	2.80	1.50	1.00	.60			

5	2	2	5050	2.80	1.50	1.00	.70	
5	2	3	6860	3.80	2.10	1.40	.90	
5	2	3	6900	3.90	2.10	1.40	.90	
5	1	2	5040	2.50	1.40	1.00	.70	
5	1	2	5040	2.50	1.40	1.00	.70	
5	1	3	6980	3.50	1.90	1.40	1.00	
5	1	3	6940	3.40	1.90	1.40	1.00	
5	16	2	5130	2.90	1.60	1.00	.70	
5	16	2	5030	3.00	1.60	1.00	.70	
5	16	3	6880	4.10	2.20	1.40	1.00	
5	16	3	6990	4.10	2.20	1.40	.90	
5	15	2	5070	2.90	1.90	1.40	1.00	
5	15	2	5060	2.80	1.90	1.40	1.00	
5	15	3	7020	4.10	2.80	2.00	1.50	
5	15	3	7060	4.10	2.80	2.10	1.50	
5	14	2	5110	2.40	1.30	.90	.60	
5	14	2	5120	2.40	1.30	.90	.60	
5	14	3	6890	3.30	1.90	1.30	.80	
5	14	3	7030	3.40	2.00	1.30	.90	
5	13	2	5060	3.30	2.20	1.60	1.10	
5	13	2	5140	3.30	2.20	1.50	1.10	
5	13	3	6860	4.70	3.10	2.20	1.60	
5	13	3	6940	4.70	3.10	2.20	1.60	
5	12	2	5150	2.40	1.30	.90	.70	
5	12	2	5070	2.40	1.30	.90	.70	
5	12	3	6900	3.30	1.80	1.30	.90	
5	12	3	6910	3.30	1.80	1.30	.90	
5	11	2	5110	2.80	1.90	1.40	.90	
5	11	2	5080	2.80	1.80	1.30	1.00	
5	11	3	6920	4.00	2.60	1.90	1.40	
5	11	3	6820	3.90	2.70	1.90	1.40	
5	10	2	5110	3.60	2.50	1.80	1.30	
5	10	2	5080	3.70	2.50	1.80	1.30	
5	10	3	6820	5.20	3.60	2.60	1.90	
5	10	3	6850	5.20	3.60	2.60	1.90	
5	9	2	5140	2.50	1.60	1.20	.90	
5	9	2	5150	2.60	1.60	1.20	.90	
5	9	3	6960	3.50	2.40	1.70	1.30	
5	9	3	6850	3.50	2.30	1.70	1.30	
6	1	4	10516	6.84	4.64	1.52	1.21	1.08
6	1	5	14647	10.26	6.93	2.08	1.65	1.46
6	2	4	10332	10.24	8.11	2.11	1.74	1.63
6	2	5	14664	16.05	12.69	2.94	2.43	2.28
6	3	4	10637	12.19	8.92	2.23	1.59	1.38
6	3	5	13614	16.66	12.06	2.84	1.99	1.72
6	4	4	10213	10.58	7.83	1.57	1.00	.91
6	4	5	14047	17.57	13.08	2.18	1.38	1.25
6	5	4	10626	7.92	5.39	.92	.89	.82
6	5	5	14761	11.74	8.35	1.20	1.21	1.09
6	6	4	10714	9.04	6.60	1.58	1.20	1.03
6	6	5	15030	13.81	10.04	2.19	1.66	1.41
6	7	4	10399	6.61	4.35	1.08	.86	.77
6	7	5	14565	9.99	6.51	1.43	1.16	1.03
6	8	4	10516	8.37	5.86	1.62	1.21	1.07

6	8	5	15113	13.03	9.00	2.21	1.65	1.46	
6	9	4	10439	10.03	7.84	1.86	1.48	1.29	
6	9	5	15113	15.72	12.10	2.62	2.10	1.80	
6	10	4	10974	8.01	5.87	1.63	1.32	1.13	
6	10	5	14688	11.32	8.41	2.14	1.73	1.48	
6	11	4	10393	9.26	6.86	1.46	1.16	1.03	
6	11	5	15201	14.62	10.49	2.01	1.61	1.41	
6	12	4	10665	7.47	5.41	1.64	1.41	1.28	
6	12	5	15091	11.52	8.28	2.28	1.97	1.78	
6	13	4	10629	7.04	5.12	1.32	1.16	1.08	
6	13	5	14639	10.37	7.52	1.75	1.52	1.42	
6	14	4	10352	7.14	5.07	1.27	1.16	1.12	
6	14	5	14215	10.68	7.77	1.65	1.54	1.46	
6	15	4	10596	8.23	5.78	.85	.78	.73	
6	15	5	15133	12.92	9.10	1.12	1.06	.98	
6	16	4	10832	7.03	5.02	.84	.73	.68	
6	16	5	14612	10.15	7.22	1.11	.98	.90	
7	1	5	15243	31.20	8.30	.70	.90	.90	.80
7	1	5	15243	25.30	7.40	1.00	1.00	.90	.70
7	1	5	15243	24.60	7.40	1.10	1.00	.90	.70
7	1	6	18126	32.20	9.20	1.40	1.30	1.10	1.00
7	1	6	18126	29.40	8.90	1.40	1.20	1.10	.90
7	1	6	18126	29.10	8.90	1.50	1.30	1.10	.90
7	2	5	14831	46.50	15.10	1.90	.80	.90	.90
7	2	5	14831	38.80	13.70	1.80	.90	1.00	.90
7	2	5	14831	38.30	13.70	1.90	.90	1.00	.90
7	2	6	18126	49.50	17.40	2.50	1.00	1.20	1.10
7	2	6	18126	46.40	16.90	2.20	1.00	1.20	1.10
7	2	6	18126	46.40	16.80	2.20	1.00	1.20	1.10
7	3	5	14213	57.30	16.60	2.50	1.50	1.20	1.10
7	3	5	14213	48.30	15.40	2.30	1.40	1.20	1.00
7	3	5	14213	47.90	15.40	2.40	1.40	1.20	1.00
7	3	6	17302	61.20	19.70	3.10	1.70	1.50	1.30
7	3	6	17302	57.40	19.10	2.90	1.70	1.50	1.20
7	3	6	17302	57.30	18.80	2.90	1.70	1.40	1.20
7	4	5	14625	49.80	15.70	2.20	.80	.70	.70
7	4	5	14625	41.90	14.60	2.20	.80	.80	.70
7	4	5	14625	41.10	14.40	2.20	.80	.80	.70
7	4	6	17302	52.90	18.50	3.00	1.00	1.00	.90
7	4	6	17302	49.80	18.00	2.80	1.00	1.00	.80
7	4	6	17302	49.50	18.00	2.70	.90	.90	.80
7	5	5	14522	43.50	10.20	.10	.60	.70	.70
7	5	5	14522	35.60	9.40	.00	.60	.80	.60
7	5	5	14522	34.60	9.30	.00	.60	.70	.60
7	5	6	17920	45.80	11.70	.00	.70	.90	.90
7	5	6	17920	41.80	11.20	.00	.70	1.00	.80
7	5	6	17920	41.30	11.20	.00	.70	.90	.80
7	6	5	14213	42.00	13.30	1.90	1.50	1.20	1.00
7	6	5	14213	35.70	12.40	2.00	1.50	1.20	1.00
7	6	5	14213	35.00	12.20	2.00	1.50	1.20	1.00
7	6	6	17920	46.30	15.30	2.60	1.90	1.50	1.30
7	6	6	17920	43.10	14.90	2.60	1.80	1.50	1.20
7	6	6	17920	42.60	14.80	2.60	1.80	1.50	1.20
7	7	5	14728	32.60	8.40	.50	.70	.70	.70

7	7	5	14728	26.20	7.50	.60	.70	.80	.70
7	7	5	14728	25.50	7.40	.60	.70	.80	.70
7	7	6	18538	33.60	9.60	.70	.90	.90	.90
7	7	6	18538	31.10	9.30	.80	.90	1.00	.90
7	7	6	18538	30.70	9.30	.80	.90	1.00	.90
7	8	5	15037	36.20	11.60	1.50	.90	1.00	.90
7	8	5	15037	30.00	10.70	1.70	.90	1.00	.80
7	8	5	15037	29.40	10.60	1.80	.90	.90	.80
7	8	6	17920	38.10	13.30	2.30	1.10	1.20	1.10
7	8	6	17920	35.70	13.00	2.30	1.10	1.20	1.10
7	8	6	17920	35.20	12.80	2.20	1.10	1.20	1.10
7	9	5	14625	42.70	10.70	1.10	1.50	1.20	1.10
7	9	5	14625	36.60	10.30	1.40	1.50	1.30	1.00
7	9	5	14625	35.90	10.30	1.50	1.50	1.30	1.00
7	9	6	17714	47.60	13.30	1.80	1.90	1.60	1.40
7	9	6	17714	44.40	13.00	1.80	1.80	1.60	1.30
7	9	6	17714	44.00	13.00	1.90	1.90	1.60	1.30
7	10	5	14625	34.10	6.90	1.10	1.40	1.00	.90
7	10	5	14625	27.70	6.80	1.30	1.30	1.00	.80
7	10	5	14625	27.00	6.90	1.30	1.30	1.00	.80
7	10	6	17920	35.40	8.70	1.70	1.70	1.30	1.20
7	10	6	17920	33.00	8.50	1.60	1.60	1.30	1.10
7	10	6	17920	32.50	8.50	1.70	1.60	1.30	1.10
7	11	5	14213	46.70	13.10	1.50	1.10	1.00	.90
7	11	5	14213	34.60	11.90	1.70	1.10	1.00	.80
7	11	5	14213	36.50	11.80	1.70	1.10	1.00	.80
7	11	6	18332	47.60	15.00	2.20	1.50	1.30	1.10
7	11	6	18332	44.40	14.60	2.00	1.40	1.30	1.10
7	11	6	18332	43.90	14.40	2.00	1.40	1.30	1.10
7	12	5	14213	37.00	8.30	.70	1.10	1.00	.90
7	12	5	14213	30.20	7.70	.90	1.10	1.00	.90
7	12	5	14213	29.60	7.70	.90	1.10	1.00	.90
7	12	6	17920	38.60	9.70	1.20	1.40	1.20	1.10
7	12	6	17920	35.70	9.50	1.20	1.30	1.30	1.10
7	12	6	17920	35.40	9.50	1.20	1.30	1.30	1.10
7	13	5	14316	33.20	8.30	1.00	.90	.80	.70
7	13	5	14316	28.00	7.90	.90	.90	.80	.70
7	13	5	14316	27.30	7.90	.90	.90	.80	.70
7	13	6	18332	35.90	10.00	1.20	1.20	1.00	.90
7	13	6	18332	33.60	9.80	1.20	1.10	1.10	.90
7	13	6	18332	33.30	9.80	1.20	1.10	1.00	.90
7	14	5	14831	41.20	9.90	.80	1.10	.90	.80
7	14	5	14831	33.80	9.10	.80	1.00	.90	.70
7	14	5	14831	32.90	9.10	.80	1.00	.90	.70
7	14	6	17920	43.40	11.50	1.10	1.30	1.10	1.00
7	14	6	17920	40.40	11.30	1.00	1.30	1.10	.90
7	14	6	17920	39.90	11.20	1.00	1.20	1.10	.90
7	15	5	14213	45.40	11.30	.50	.70	.70	.70
7	15	5	14213	38.10	10.30	.60	.70	.70	.60
7	15	5	14213	37.20	10.20	.60	.70	.70	.60
7	15	6	18538	49.10	13.00	.70	.90	.80	.80
7	15	6	18538	46.00	12.70	.60	.80	.90	.70
7	15	6	18538	45.20	12.60	.60	.80	.80	.70
7	16	5	14419	41.80	10.20	.40	.70	.70	.70

7	16	5	14419	33.90	9.20	.50	.70	.70	.60
7	16	5	14419	32.90	9.10	.50	.70	.70	.60
7	16	6	18126	43.40	11.40	.60	.90	.90	.80
7	16	6	18126	40.30	11.20	.50	.90	.90	.80
7	16	6	18126	39.80	11.10	.50	.90	.90	.80

SITE 10

1	4	2	5169	6.49	5.98	5.43	4.64	4.29	3.26	2.28
1	4	2	5216	6.49	5.98	5.43	4.84	4.17	3.26	2.36
1	4	4	10193	11.70	11.00	10.10	8.74	7.79	5.90	4.21
1	4	5	14212	15.40	14.70	13.70	11.90	10.50	7.95	5.74
1	3	2	5098	3.93	3.46	3.07	2.63	2.44	1.53	1.06
1	3	2	5169	3.85	3.46	3.14	2.75	2.40	1.65	1.06
1	3	4	10243	7.71	6.57	6.10	5.35	4.56	3.14	1.96
1	3	5	14254	10.00	8.81	8.14	7.24	6.29	4.33	2.87
1	2	2	5067	4.56	4.25	3.89	3.54	3.26	2.55	1.85
1	2	2	5163	4.40	4.13	3.81	3.54	3.14	2.44	1.85
1	2	4	10207	9.13	8.22	7.75	7.04	6.49	5.07	3.70
1	2	5	14289	12.30	11.40	10.90	9.96	8.97	7.08	5.23
1	1	2	5080	5.78	5.51	4.92	4.25	3.46	2.36	1.65
1	1	2	5139	5.62	5.31	4.88	4.13	3.58	2.44	1.65
1	1	4	10196	11.60	10.80	10.00	8.42	6.88	4.88	3.50
1	1	5	14269	15.80	15.00	13.80	11.70	9.72	7.04	5.03
1	8	2	5065	4.29	3.66	2.95	2.75	2.24	1.77	1.25
1	8	2	5157	3.97	3.54	2.95	2.59	2.24	1.65	1.25
1	8	4	10225	7.79	6.73	5.94	5.23	4.68	3.46	2.36
1	8	5	14336	10.40	9.40	8.30	7.32	6.61	4.88	3.50
1	7	2	5086	2.67	2.36	2.28	2.12	1.85	1.65	1.25
1	7	2	5154	2.59	2.36	2.24	2.04	1.85	1.65	1.25
1	7	4	10237	5.07	4.33	4.21	3.93	3.58	2.95	2.16
1	7	5	14466	6.69	5.98	5.74	5.47	5.00	4.05	3.30
1	6	2	5066	2.36	2.08	1.88	1.73	1.53	1.14	.74
1	6	2	5151	2.24	2.00	1.88	1.65	1.65	1.25	.86
1	6	4	10246	4.68	3.93	3.74	3.54	3.14	2.44	1.85
1	6	5	14429	6.49	5.78	5.55	4.96	4.64	3.66	2.79
1	5	2	5069	2.67	2.48	2.20	2.08	1.77	1.45	1.10
1	5	2	5145	2.67	2.28	2.08	2.04	1.96	1.45	.94
1	5	4	10219	5.39	4.72	4.48	4.05	3.66	3.07	2.28
1	5	5	14407	7.00	6.37	6.22	5.94	5.47	4.37	3.18
1	12	2	5054	9.21	4.44	3.46	3.03	2.75	2.16	1.45
1	12	2	5119	8.70	4.44	3.54	2.95	2.75	2.04	1.45
1	12	4	10231	15.30	8.38	7.08	6.18	5.59	4.17	2.99
1	12	5	14330	19.20	11.40	9.72	8.74	7.75	5.90	4.29
1	11	2	5083	2.87	2.48	2.20	1.92	1.53	1.14	.78
1	11	2	5169	2.91	2.36	2.08	1.92	1.61	1.06	.62
1	11	4	10213	5.66	4.72	4.40	3.74	3.38	2.36	1.45
1	11	5	14413	7.91	6.69	6.25	5.35	4.48	3.26	2.28
1	10	2	5063	3.26	2.87	2.67	2.44	2.16	1.53	1.06
1	10	2	5128	3.26	2.87	2.67	2.44	2.12	1.53	1.06
1	10	4	10255	6.49	5.78	5.55	4.96	4.48	3.26	2.36
1	10	5	14460	9.01	8.34	7.75	7.04	6.29	4.68	3.38
1	9	2	5063	2.91	2.48	2.20	1.92	1.65	1.18	.74
1	9	2	5125	2.95	2.48	2.20	1.92	1.65	1.14	.86

1	9	4	10255	5.90	4.92	4.56	3.97	3.26	2.36	1.77
1	9	5	14555	8.22	7.20	6.69	5.82	5.07	3.66	2.67
1	16	2	5039	4.17	3.66	3.22	2.87	2.44	1.77	1.25
1	16	2	5137	4.17	3.54	3.26	2.75	2.44	1.65	1.14
1	16	4	10273	8.11	6.96	6.29	5.43	4.76	3.46	2.48
1	16	5	14505	10.70	9.40	8.70	7.75	6.88	4.88	3.50
1	15	2	5042	3.46	3.03	2.75	2.48	2.36	1.96	1.37
1	15	2	5151	3.38	3.07	2.87	2.55	2.36	1.77	1.45
1	15	4	10272	6.37	5.59	5.35	4.96	4.37	3.38	2.59
1	15	5	14573	8.42	7.75	7.48	6.65	6.10	4.88	3.58
1	14	2	5051	3.30	2.75	2.55	2.44	2.24	1.65	1.14
1	14	2	5131	3.38	2.87	2.67	2.44	2.16	1.65	1.14
1	14	4	10278	6.45	5.51	5.27	4.64	4.17	3.14	2.36
1	14	5	14638	8.50	7.59	7.28	6.65	5.78	4.48	3.30
1	13	2	5072	2.87	2.36	2.08	1.65	1.53	1.14	.74
1	13	2	5139	2.75	2.28	2.00	1.73	1.65	1.25	.86
1	13	4	10284	5.39	4.44	4.09	3.62	3.14	2.36	1.45
1	13	5	14600	7.28	6.18	6.02	5.15	4.48	3.46	2.36
2	1	5	16340	17.87	15.59	10.79	7.68	5.59	3.86	2.48
2	1	5	16180	17.95	15.31	10.63	7.56	5.51	3.82	2.48
2	1	7	24620	25.47	22.95	16.30	12.01	8.78	6.18	4.06
2	1	8	40050	44.25	39.33	28.35	21.02	15.55	10.98	7.17
2	1	9	49880	55.47	51.81	37.48	28.35	20.98	14.92	9.84
2	2	5	16590	14.29	11.57	9.72	7.60	5.43	3.31	2.13
2	2	5	16480	14.61	11.93	9.96	7.87	5.59	3.43	2.20
2	2	7	24700	19.53	17.24	14.41	11.34	8.15	4.96	3.27
2	2	8	41130	34.69	29.69	24.84	19.33	13.86	8.62	5.63
2	2	9	51140	45.35	39.33	32.60	25.51	18.23	11.38	7.68
2	3	5	16450	10.75	9.06	6.93	4.88	3.15	1.85	1.02
2	3	5	16270	11.06	8.90	6.73	4.72	3.07	1.77	.98
2	3	7	24230	15.47	13.27	10.16	7.24	4.80	2.91	1.73
2	3	8	39270	26.38	22.76	17.48	12.60	8.46	5.31	3.19
2	3	9	50120	35.08	30.00	23.03	16.65	11.34	7.17	4.41
2	4	5	16150	17.60	15.12	11.69	8.46	5.91	3.78	2.05
2	4	5	16430	18.43	15.39	11.93	8.70	6.10	3.94	2.20
2	4	7	24060	24.88	21.77	16.77	12.32	8.66	5.63	3.19
2	4	8	38840	40.51	36.61	28.11	20.28	14.41	9.41	5.47
2	4	9	49040	52.87	48.86	37.09	26.46	18.78	12.32	7.28
2	5	5	16700	7.36	6.69	6.06	4.80	3.58	2.36	1.38
2	5	5	16940	7.28	6.81	6.10	4.80	3.62	2.40	1.34
2	5	7	24820	10.67	10.04	8.78	7.17	5.39	3.78	2.44
2	5	8	40560	18.98	18.11	15.59	12.80	9.65	6.89	4.61
2	5	9	50390	25.20	24.25	20.94	17.36	13.11	9.41	6.30
2	6	5	16750	7.09	6.14	5.43	4.25	2.95	2.40	1.69
2	6	5	16610	7.36	6.14	5.35	4.17	2.91	2.36	1.69
2	6	7	24360	10.75	9.80	8.27	6.57	4.96	3.78	2.83
2	6	8	40210	19.61	17.80	14.84	11.77	8.94	7.09	5.16
2	6	9	50840	26.14	24.09	19.92	15.83	12.09	9.45	7.20
2	7	5	16530	6.77	6.26	5.35	4.37	3.39	2.60	1.85
2	7	5	16560	7.36	6.14	5.28	4.41	3.23	2.56	1.81
2	7	7	24680	9.88	8.86	7.64	6.18	4.88	3.70	2.60
2	7	8	40270	16.81	15.28	13.07	10.67	8.15	6.22	4.37
2	7	9	50650	21.50	20.28	17.20	13.90	10.83	8.27	5.87
2	8	5	16180	11.89	9.69	7.36	5.12	3.86	3.07	2.05

2	8	5	16160	12.09	9.76	7.24	5.24	3.86	3.15	2.01
2	8	7	23790	18.11	14.37	11.06	8.19	5.94	4.33	2.99
2	8	8	39860	31.57	25.55	19.61	14.65	10.55	7.76	5.39
2	8	9	49800	41.26	34.06	26.02	19.21	14.17	10.35	7.28
2	9	5	16400	9.29	7.56	5.87	4.13	2.91	1.97	1.30
2	9	5	16350	9.45	7.56	6.10	4.25	2.87	2.01	1.14
2	9	7	24010	13.58	11.50	8.86	6.42	4.57	3.07	1.97
2	9	8	39030	25.04	21.14	16.38	11.77	8.27	5.63	3.74
2	9	9	49690	34.45	29.21	22.56	16.22	11.38	7.83	5.20
2	10	5	16720	13.11	9.49	7.68	5.83	4.33	3.19	2.20
2	10	5	16700	12.87	9.49	7.72	5.83	4.37	3.23	2.24
2	10	7	24620	17.01	13.98	11.34	8.66	6.54	4.80	3.39
2	10	8	39250	30.12	25.12	20.16	15.47	11.69	8.62	6.22
2	10	9	50090	38.58	34.02	26.93	20.71	15.75	11.69	8.39
2	11	5	16530	10.16	7.68	5.87	4.17	2.95	1.97	1.30
2	11	5	16690	9.96	7.76	5.87	4.17	2.91	1.97	1.14
2	11	7	24600	13.66	11.46	8.78	6.30	4.45	3.07	2.09
2	11	8	39140	25.31	20.71	15.79	11.34	7.99	5.59	3.62
2	11	9	49900	35.08	28.15	21.34	15.51	10.98	7.64	5.16
2	12	5	16180	19.72	10.79	8.54	6.57	4.76	3.39	2.24
2	12	5	16290	19.72	10.83	8.66	6.65	4.80	3.43	2.24
2	12	7	24080	24.76	15.71	12.52	9.69	7.01	5.00	3.35
2	12	8	39270	40.47	27.13	21.61	16.77	12.20	8.78	6.10
2	12	9	49600	50.31	35.98	28.50	22.17	16.30	11.77	8.15
2	13	5	16530	8.07	6.46	5.12	3.74	2.60	1.77	1.10
2	13	5	16240	7.76	6.42	5.08	3.70	2.60	1.77	1.02
2	13	7	24250	11.10	9.65	7.52	5.51	3.90	2.68	1.65
2	13	8	39430	20.04	17.24	13.31	9.84	6.89	4.72	2.95
2	13	9	50390	27.87	23.43	17.99	13.27	9.29	6.38	4.02
2	14	5	16190	9.02	8.03	6.54	4.92	3.62	2.56	1.81
2	14	5	16160	8.74	7.91	6.26	4.88	3.54	2.48	1.81
2	14	7	23840	12.87	11.93	9.53	7.05	5.20	3.82	2.48
2	14	8	38850	23.23	20.24	15.67	11.81	8.50	6.06	4.21
2	14	9	50230	29.09	26.57	20.59	15.35	11.02	7.87	5.39
2	15	5	16350	8.94	7.95	6.73	5.24	3.90	2.83	2.01
2	15	5	16150	9.37	7.95	6.69	5.24	3.90	2.76	1.89
2	15	7	24220	12.32	11.54	9.76	7.64	5.71	4.13	2.80
2	15	8	39000	21.65	19.76	16.61	12.95	9.72	7.13	4.88
2	15	9	50140	28.19	26.02	21.85	17.09	12.76	9.37	6.50
2	16	5	16340	11.26	9.53	7.28	5.75	3.74	2.72	2.09
2	16	5	16000	11.61	9.09	6.97	5.31	3.23	2.64	1.73
2	16	7	24000	15.63	13.46	10.63	8.11	5.63	4.02	2.80
2	16	8	39460	26.97	23.46	18.58	13.98	10.00	7.13	4.80
2	16	9	50390	36.10	31.30	24.57	18.43	13.31	9.49	6.46
3	1	1	1000	.77	.74	.57	.39	.28		
3	2	1	1000	.66	.63	.53	.40	.30		
3	3	1	1000	.77	.62	.46	.32	.21		
3	4	1	1000	1.50	1.29	1.00	.72	.47		
3	5	1	1000	.38	.35	.30	.22	.17		
3	6	1	1000	.32	.29	.25	.17	.13		
3	7	1	1000	.58	.55	.48	.38	.31		
3	8	1	1000	.65	.54	.42	.28	.20		
3	9	1	1000	.44	.38	.30	.19	.13		
3	10	1	1000	.52	.47	.38	.26	.19		

3	11	1	1000	.47	.40	.30	.18	.13		
3	12	1	1000	.62	.55	.43	.30	.22		
3	13	1	1000	.48	.42	.33	.22	.16		
3	14	1	1000	.69	.66	.54	.41	.32		
3	15	1	1000	.97	.93	.75	.56	.41		
3	16	1	1000	.86	.76	.59	.42	.29		
4	1	4	10408	12.56	10.12	6.93	4.84	3.54	2.40	1.61
4	1	4	10249	12.24	9.92	6.89	4.84	3.50	2.44	1.65
4	1	5	14873	18.07	14.61	10.39	7.28	5.43	3.62	2.56
4	1	7	24820	29.69	23.86	17.36	12.40	9.17	6.26	4.29
4	2	4	10313	8.82	7.48	6.69	5.24	3.58	2.13	1.42
4	2	4	10265	8.70	7.44	6.50	5.04	3.50	2.09	1.46
4	2	5	14762	12.87	11.18	9.25	7.20	5.20	3.11	2.17
4	2	7	25074	21.77	18.50	15.47	12.13	8.50	5.08	3.50
4	3	4	10217	6.42	5.28	4.09	2.83	1.93	1.18	.75
4	3	4	10217	6.26	5.20	4.02	2.80	1.93	1.10	.75
4	3	5	14698	9.25	7.72	5.98	4.21	2.91	1.73	1.18
4	3	7	24725	15.55	12.72	9.92	7.05	4.80	2.95	2.01
4	4	4	10042	10.98	9.65	7.44	5.51	3.98	2.48	1.54
4	4	4	9979	10.87	9.49	7.32	5.39	3.86	2.36	1.50
4	4	5	14428	15.91	13.90	10.63	7.83	5.55	3.43	2.17
4	4	7	24407	25.51	22.24	16.97	12.56	8.86	5.59	3.62
4	5	4	10472	4.61	4.21	3.70	2.95	2.24	1.57	1.06
4	5	4	10392	4.57	4.17	3.66	2.91	2.20	1.50	1.06
4	5	5	14587	6.93	6.30	5.47	4.41	3.31	2.24	1.65
4	5	7	25138	12.01	10.75	9.41	7.56	5.67	3.90	2.76
4	6	4	10408	4.53	3.70	3.19	2.52	1.97	1.54	1.18
4	6	4	10344	4.49	3.66	3.07	2.44	1.93	1.42	1.14
4	6	5	14523	6.89	5.63	4.84	3.86	2.95	2.24	1.81
4	6	7	25043	12.01	9.88	8.50	6.77	5.20	3.98	3.15
4	7	4	10472	4.09	3.50	3.07	2.44	1.89	1.46	1.02
4	7	4	10408	4.09	3.39	3.11	2.44	1.89	1.46	.98
4	7	5	14619	6.14	5.31	4.53	3.66	2.87	2.20	1.61
4	7	7	25217	10.24	8.62	7.44	5.98	4.72	3.54	2.64
4	8	4	10249	9.33	5.79	4.53	3.31	2.40	1.69	1.26
4	8	4	10201	8.94	5.83	4.49	3.31	2.44	1.73	1.30
4	8	5	14460	12.95	8.70	6.77	5.00	3.58	2.56	1.85
4	8	7	24947	21.30	14.92	11.69	8.62	5.26	4.61	3.43
4	9	4	10424	5.39	4.29	3.35	2.40	1.77	1.26	.91
4	9	4	10376	5.24	4.25	3.31	2.36	1.77	1.26	.87
4	9	5	14587	8.03	6.50	5.08	3.66	2.68	1.81	1.26
4	9	7	24931	14.25	11.54	8.94	6.42	4.69	3.07	2.13
4	10	4	10392	7.17	5.75	4.61	3.46	2.56	1.81	1.34
4	10	4	10328	7.01	5.71	4.53	3.43	2.52	1.77	1.30
4	10	5	14444	10.43	8.46	6.85	5.12	3.78	2.72	2.01
4	10	7	24963	17.83	14.61	11.81	8.94	6.61	4.80	3.54
4	11	4	10313	5.31	4.29	3.27	2.32	1.65	1.10	.83
4	11	4	10265	5.20	4.29	3.23	2.36	1.61	1.10	.79
4	11	5	14492	8.03	6.38	4.88	3.43	2.40	1.61	1.14
4	11	7	25186	14.02	11.10	8.46	5.98	4.13	2.76	2.09
4	12	4	9963	9.06	7.24	5.87	4.29	3.23	2.20	1.73
4	12	4	9931	8.98	7.24	5.79	4.25	3.19	2.17	1.73
4	12	5	14380	13.23	10.47	8.54	6.18	4.65	3.19	2.52
4	12	7	24661	21.97	17.17	14.17	10.31	7.72	5.39	4.37

4	13	4	10456	4.72	3.90	3.11	2.24	1.61	1.10	.83
4	13	4	10376	4.69	3.86	3.07	2.24	1.61	1.06	.83
4	13	5	14730	7.05	5.75	4.61	3.35	2.40	1.57	1.10
4	13	7	25233	12.36	10.04	7.91	5.79	4.21	2.76	1.93
4	14	4	10233	5.51	4.76	3.82	2.87	2.13	1.54	1.10
4	14	4	10122	5.51	4.61	3.78	2.76	2.01	1.46	1.02
4	14	5	14635	7.99	6.81	5.51	4.06	2.99	2.17	1.54
4	14	7	25043	13.66	11.57	9.25	6.81	5.00	3.54	2.48
4	15	4	10344	5.28	4.53	3.94	3.03	2.28	1.65	1.18
4	15	4	10297	5.24	4.53	3.94	3.03	2.32	1.61	1.22
4	15	5	14635	7.83	6.81	5.83	4.53	3.43	2.44	1.81
4	15	7	25122	13.27	11.50	9.76	7.60	5.75	4.13	2.99
4	16	4	10408	7.01	5.71	4.49	3.27	2.36	1.57	1.14
4	16	4	10344	7.01	5.71	4.45	3.23	2.36	1.57	1.14
4	16	5	14809	10.04	8.35	6.50	4.72	3.46	2.36	1.69
4	16	7	25059	16.93	13.98	10.94	8.07	5.94	4.09	2.95
5	4	2	5040	4.70	3.30	2.30	1.60			
5	4	2	5030	4.60	3.30	2.30	1.60			
5	4	2	5090	4.70	3.30	2.30	1.60			
5	4	3	6890	6.90	4.80	3.40	2.50			
5	4	3	6940	7.00	4.90	3.50	2.50			
5	4	3	6910	7.00	4.90	3.50	2.50			
5	3	2	5040	3.70	2.10	1.40	.90			
5	3	2	5040	3.70	2.10	1.40	.90			
5	3	3	6960	5.20	2.90	2.00	1.30			
5	3	3	6820	5.10	2.90	1.90	1.30			
5	2	2	5150	3.90	3.00	2.30	1.70			
5	2	2	5120	3.90	3.00	2.30	1.70			
5	2	3	7050	5.80	4.50	3.40	2.50			
5	2	3	7060	5.80	4.40	3.40	2.50			
5	1	2	5150	5.60	3.90	2.80	2.20			
5	1	2	5110	5.60	3.80	2.80	2.20			
5	1	3	7040	8.30	5.80	4.20	3.40			
5	1	3	7040	8.40	5.80	4.20	3.40			
5	8	2	5030	3.40	2.30	1.70	1.20			
5	8	2	5050	3.50	2.30	1.60	1.30			
5	8	3	6990	5.00	3.30	2.40	1.80			
5	8	3	6880	5.00	3.30	2.40	1.80			
5	7	2	5050	2.20	1.60	1.30	1.10			
5	7	2	5040	2.20	1.70	1.30	1.10			
5	7	3	7050	3.10	2.40	1.90	1.50			
5	7	3	7000	3.20	2.40	1.90	1.50			
5	6	2	5180	2.50	2.00	1.60	1.30			
5	6	2	5160	2.50	2.00	1.60	1.30			
5	6	3	7010	3.60	2.90	2.30	1.90			
5	6	3	7090	3.60	2.90	2.30	1.90			
5	5	2	4960	2.40	1.80	1.40	1.00			
5	5	2	4930	2.40	1.90	1.40	1.00			
5	5	3	6830	3.40	2.60	2.00	1.40			
5	5	3	7000	3.40	2.60	2.00	1.50			
5	12	2	5100	4.10	2.80	2.10	1.60			
5	12	2	5090	4.00	2.80	2.10	1.60			
5	12	3	7050	6.20	4.30	3.20	2.40			
5	12	3	7190	6.20	4.30	3.20	2.40			

5	11	2	5180	2.50	1.50	1.00	.70
5	11	2	5110	2.40	1.50	1.00	.60
5	11	3	6950	3.40	2.00	1.30	.90
5	11	3	6990	3.30	2.00	1.30	.90
5	10	2	5030	3.00	2.20	1.60	1.20
5	10	2	5030	3.00	2.20	1.70	1.20
5	10	3	7090	4.30	3.20	2.40	1.80
5	10	3	7080	4.30	3.20	2.40	1.80
5	9	2	5100	2.80	1.90	1.40	1.00
5	9	2	5120	2.80	1.90	1.40	1.00
5	9	3	7140	4.10	2.80	2.00	1.40
5	9	3	7160	4.10	2.80	2.00	1.40
5	16	2	5070	3.50	2.40	1.70	1.30
5	16	2	5100	3.50	2.40	1.70	1.30
5	16	3	7060	5.10	3.50	2.50	1.80
5	16	3	7090	5.10	3.50	2.50	1.90
5	15	2	5010	2.70	1.90	1.40	1.00
5	15	2	4960	2.70	1.90	1.40	1.00
5	15	3	6930	3.70	2.70	2.00	1.40
5	15	3	6920	3.80	2.70	2.00	1.40
5	14	2	5080	2.50	1.70	1.20	.80
5	14	2	5110	2.60	1.70	1.20	.90
5	14	3	6840	3.50	2.40	1.70	1.20
5	14	3	6870	3.50	2.50	1.70	1.20
5	13	2	5010	2.40	1.60	1.20	.80
5	13	2	5010	2.40	1.60	1.10	.80
5	13	3	7090	3.40	2.30	1.70	1.20
5	13	3	7130	3.40	2.30	1.70	1.20
6	13	4	10290	4.18	3.44	2.25	1.52 1.03
6	13	5	14502	6.06	5.03	3.26	2.21 1.49
6	14	4	10397	4.62	3.90	2.42	1.58 1.08
6	14	5	15375	7.17	6.13	3.79	2.49 1.69
6	15	4	10459	4.84	4.17	2.87	1.98 1.39
6	15	5	14918	7.27	6.31	4.34	3.02 2.13
6	16	4	10248	5.12	4.25	2.74	1.88 1.36
6	16	5	14631	7.68	6.44	4.14	2.87 2.06
6	9	4	10015	5.07	4.25	2.50	1.64 1.13
6	9	5	14727	8.12	6.89	4.07	2.70 1.86
6	10	4	10188	5.35	4.57	2.95	2.02 1.44
6	10	5	15023	8.50	7.36	4.78	3.31 2.37
6	11	4	11021	4.77	3.90	2.33	1.50 1.02
6	11	5	14660	6.74	5.59	3.34	2.17 1.48
6	12	4	10362	6.70	5.58	3.52	2.45 1.79
6	12	5	14827	10.38	8.74	5.57	3.93 2.89
6	5	4	10529	4.25	3.79	2.99	2.24 1.62
6	5	5	15607	6.78	6.08	4.81	3.64 2.65
6	6	4	10147	4.22	3.53	2.75	2.02 1.53
6	6	5	14283	6.32	5.35	4.18	3.12 2.37
6	7	4	10337	3.48	2.94	2.10	1.55 1.16
6	7	5	14870	5.28	4.49	3.22	2.39 1.79
6	8	4	10649	6.41	5.61	3.53	2.48 1.84
6	8	5	14686	9.46	8.40	5.24	3.71 2.75
6	1	4	10414	7.78	6.97	4.39	2.93 2.05
6	1	5	15266	12.58	11.38	7.13	4.82 3.40

6	2	4	10462	6.19	5.33	3.64	2.52	1.59	
6	2	5	15022	9.59	8.30	5.78	3.99	2.54	
6	3	4	10471	5.90	4.81	2.81	1.81	1.20	
6	3	5	14649	8.99	7.41	4.34	2.83	1.88	
6	4	4	10637	7.44	6.46	4.04	2.76	1.91	
6	4	5	15181	11.83	10.30	6.49	4.49	3.12	
7	1	5	13492	16.30	13.50	9.40	6.90	5.10	3.90
7	1	5	13492	16.60	12.90	8.90	6.60	4.90	3.60
7	1	5	13492	16.40	12.80	8.80	6.50	4.90	3.60
7	1	6	20186	19.60	20.40	14.60	10.70	7.90	6.20
7	1	6	20186	25.20	19.80	14.10	10.30	7.70	5.80
7	1	6	20186	25.00	19.60	14.00	10.30	7.60	5.80
7	2	5	14419	14.70	11.90	10.10	7.80	5.40	3.60
7	2	5	14419	13.60	11.20	9.40	7.20	5.20	3.40
7	2	5	14419	13.40	11.10	9.30	7.20	5.10	3.30
7	2	6	19774	19.10	15.70	13.40	10.30	7.20	4.80
7	2	6	19774	18.30	15.20	12.90	9.80	7.00	4.60
7	2	6	19774	18.10	15.10	12.80	9.80	7.00	4.70
7	3	5	14213	10.10	8.10	6.20	4.40	2.80	1.90
7	3	5	14213	9.60	7.80	5.90	4.10	2.80	1.70
7	3	5	14213	9.60	7.70	5.90	4.10	2.80	1.70
7	3	6	19774	13.30	10.80	8.50	5.90	3.90	2.70
7	3	6	19774	13.00	10.60	8.20	5.70	3.90	2.60
7	3	6	19774	13.00	10.50	8.20	5.70	3.80	2.50
7	4	5	14213	17.00	15.30	12.20	9.20	6.50	5.00
7	4	5	14213	16.50	14.90	11.70	8.70	6.20	4.60
7	4	5	14213	16.60	15.00	11.90	8.80	6.30	4.60
7	4	6	19774	22.10	19.90	15.90	11.80	8.30	5.90
7	4	6	19774	21.70	19.50	15.60	11.50	8.20	5.80
7	4	6	19774	21.60	19.50	15.50	11.50	8.10	5.80
7	5	5	14625	6.40	5.60	4.80	3.90	3.00	2.30
7	5	5	14625	6.10	5.50	4.60	3.70	2.90	2.20
7	5	5	14625	6.10	5.40	4.50	3.70	2.90	2.20
7	5	6	20186	8.60	7.70	6.80	5.40	4.10	3.30
7	5	6	20186	8.40	7.60	6.60	5.30	4.10	3.10
7	5	6	20186	8.40	7.60	6.50	5.30	4.10	3.10
7	6	5	14419	7.10	5.70	4.80	3.80	2.80	2.30
7	6	5	14419	6.90	5.60	4.60	3.70	2.80	2.20
7	6	5	14419	6.80	5.60	4.60	3.60	2.80	2.20
7	6	6	19980	9.80	7.90	6.80	5.30	4.00	3.30
7	6	6	19980	9.60	7.80	6.60	5.20	3.90	3.10
7	6	6	19980	9.60	7.80	6.60	5.20	3.90	3.10
7	7	5	14625	7.90	7.00	6.10	5.00	4.00	3.30
7	7	5	14625	7.50	6.70	5.70	4.70	3.80	3.00
7	7	5	14625	7.50	6.60	5.60	4.60	3.70	3.00
7	7	6	20392	10.20	9.00	8.00	6.50	5.00	4.10
7	7	6	20392	10.00	8.80	7.70	6.30	4.90	3.90
7	7	6	20392	10.00	8.80	7.70	6.20	4.90	3.90
7	8	5	14110	16.20	9.30	7.20	5.20	3.70	2.90
7	8	5	14110	14.80	8.90	6.80	4.90	3.60	2.80
7	8	5	14110	14.50	8.80	6.70	4.80	3.50	2.70
7	8	6	20186	21.30	12.50	9.80	6.90	5.10	5.10
7	8	6	20186	20.20	12.30	9.50	6.80	5.00	4.00
7	8	6	20186	20.00	12.20	9.40	6.70	4.90	3.90

7	9	5	16478	8.70	7.10	5.60	4.00	2.70	2.00
7	9	5	16478	8.40	6.90	5.30	3.80	2.70	1.90
7	9	5	16478	8.30	6.90	5.30	3.80	2.70	1.90
7	9	6	20392	10.80	8.80	7.00	5.00	3.50	2.60
7	9	6	20392	10.60	8.70	6.80	4.90	3.40	2.40
7	9	6	20392	10.50	8.60	6.70	4.80	3.40	2.40
7	10	5	14110	10.10	8.30	6.70	5.00	3.50	2.80
7	10	5	14110	9.60	8.00	6.40	4.70	3.40	2.60
7	10	5	14110	9.50	8.00	6.30	4.70	3.40	2.60
7	10	6	19774	13.70	11.50	9.40	7.00	5.00	3.90
7	10	6	19774	13.30	11.20	9.10	6.70	4.90	3.70
7	10	6	19774	13.30	11.20	9.10	6.70	4.90	3.70
7	11	5	14419	7.50	5.90	4.40	3.10	2.10	1.70
7	11	5	14419	7.20	5.70	4.20	3.00	2.00	1.50
7	11	5	14419	7.20	5.70	4.30	3.00	2.10	1.50
7	11	6	20186	10.20	8.10	6.30	4.40	3.00	2.30
7	11	6	20186	10.00	8.00	6.10	4.30	3.00	2.20
7	11	6	20186	10.10	8.00	6.10	4.30	3.00	2.20
7	12	5	13904	18.00	10.20	8.50	6.40	4.60	3.60
7	12	5	13904	15.90	9.70	7.90	6.00	4.30	3.30
7	12	5	13904	15.70	9.70	7.90	6.00	4.30	3.30
7	12	6	19774	22.80	13.90	11.60	8.70	6.20	4.90
7	12	6	19774	21.10	13.50	11.20	8.40	6.10	4.60
7	12	6	19774	20.90	13.50	11.10	8.40	6.10	4.60
7	13	5	13904	7.10	5.90	4.60	3.40	2.40	1.80
7	13	5	13904	7.20	5.60	4.30	3.20	2.30	1.70
7	13	5	13904	7.00	5.60	4.30	3.20	2.30	1.70
7	13	6	19877	9.70	8.20	6.50	4.70	3.30	2.50
7	13	6	19877	9.60	7.90	6.30	4.60	3.30	2.30
7	13	6	19877	9.70	8.00	6.30	4.60	3.30	2.30
7	14	5	15860	10.60	9.40	7.90	6.00	4.60	3.70
7	14	5	15860	10.00	9.00	7.40	5.70	4.40	3.70
7	14	5	15860	9.80	8.90	7.30	5.60	4.30	3.50
7	14	6	19774	12.60	11.10	9.40	7.10	5.40	4.30
7	14	6	19774	12.20	10.90	9.10	6.90	5.30	4.20
7	14	6	19774	12.10	10.80	9.10	6.90	5.30	4.20
7	15	5	16169	11.30	10.20	8.90	7.00	5.30	4.10
7	15	5	16169	10.90	9.90	8.50	6.70	5.10	3.90
7	15	5	16169	10.80	9.80	8.40	6.60	5.10	3.90
7	15	6	19671	13.30	12.00	10.50	8.10	6.10	4.80
7	15	6	19671	13.00	11.80	10.20	7.90	5.90	4.60
7	15	6	19671	13.00	11.80	10.20	7.90	5.90	4.60
7	16	5	14110	11.10	9.10	7.30	5.40	3.90	3.00
7	16	5	14110	10.50	8.60	6.80	5.00	3.70	2.70
7	16	5	14110	10.40	8.60	6.80	5.00	3.60	2.70
7	16	6	20289	14.50	12.00	9.70	7.00	5.20	3.90
7	16	6	20289	14.20	11.70	9.40	6.90	5.00	3.70
7	16	6	20289	14.10	11.70	9.40	6.80	5.00	3.70

SITE 11

1	16	2	5116	.94	1.02	.94	.82	.82	.74	.74
1	16	2	5190	.90	.82	.82	.74	.74	.82	.62
1	16	4	10249	1.96	1.61	1.69	1.65	1.45	1.33	1.37

1	16	5	14592	2.44	2.28	2.28	2.24	1.96	1.85	1.77
1	15	2	5089	.82	.82	.74	.74	.55	.55	.55
1	15	2	5160	.74	.70	.74	.74	.55	.55	.43
1	15	4	10284	1.69	1.29	1.33	1.22	1.14	1.25	1.14
1	15	5	14596	2.04	1.81	1.61	1.65	1.53	1.49	1.37
1	14	2	5098	.82	.62	.66	.62	.55	.62	.55
1	14	2	5184	.82	.70	.66	.74	.55	.55	.43
1	14	4	10273	1.33	1.33	1.33	1.22	1.25	1.25	1.06
1	14	5	14582	2.04	1.81	1.69	1.73	1.65	1.53	1.37
1	13	2	5101	.98	.90	.82	.74	.62	.62	.62
1	13	2	5172	1.25	.90	.82	.94	.74	.55	.74
1	13	4	10302	1.85	1.61	1.69	1.53	1.45	1.33	1.37
1	13	5	14706	2.36	2.20	2.20	2.12	2.00	1.96	1.65
1	12	2	5095	1.06	.90	.82	.98	.82	.62	.62
1	12	2	5172	.94	.90	.94	.82	.74	.82	.74
1	12	4	10290	1.81	1.61	1.81	1.65	1.53	1.45	1.45
1	12	5	14669	2.36	2.32	2.20	2.24	2.04	1.96	1.77
1	11	2	5107	1.14	1.02	.94	.82	.82	.74	.86
1	11	2	5160	1.14	1.10	.82	.82	.82	.94	.74
1	11	4	10279	2.04	1.81	1.85	1.73	1.77	1.45	1.45
1	11	5	14724	2.67	2.51	2.36	2.24	2.16	2.16	2.08
1	10	2	5083	1.06	1.02	.82	.74	.74	.74	.55
1	10	2	5137	.98	1.02	.82	.74	.74	.82	.62
1	10	4	10302	1.85	1.81	1.81	1.65	1.53	1.33	1.25
1	10	5	14838	2.44	2.36	2.28	2.24	2.04	1.96	1.85
1	9	2	5116	1.06	.82	.82	.74	.78	.82	.86
1	9	2	5148	1.06	.90	1.02	.82	.74	.82	.74
1	9	4	10284	1.85	1.69	1.53	1.45	1.53	1.33	1.25
1	9	5	14860	2.24	2.20	2.28	1.92	2.04	1.96	1.77
1	8	2	5078	.82	.82	.82	.82	.62	.70	.59
1	8	2	5131	.74	.82	.74	.74	.62	.62	.55
1	8	4	10332	1.45	1.49	1.41	1.22	1.25	1.25	1.14
1	8	5	14942	1.85	1.81	1.81	1.73	1.65	1.65	1.57
1	7	2	5095	.94	.82	.66	.62	.55	.55	.55
1	7	2	5163	.90	.82	.74	.74	.62	.62	.55
1	7	4	10332	1.53	1.41	1.37	1.33	1.25	1.25	1.10
1	7	5	15005	2.04	2.00	2.00	1.73	1.85	1.65	1.45
1	6	2	5083	.82	.70	.66	.62	.55	.62	.43
1	6	2	5142	.82	.82	.66	.62	.62	.74	.55
1	6	4	10314	1.45	1.33	1.33	1.22	1.33	1.25	1.14
1	6	5	14990	2.04	1.81	1.81	1.69	1.65	1.53	1.57
1	5	2	5089	.90	.66	.74	.62	.55	.62	.43
1	5	2	5137	.94	.82	.74	.55	.62	.62	.62
1	5	4	10320	1.53	1.25	1.33	1.33	1.25	1.14	1.06
1	5	5	14972	2.16	1.81	1.81	1.73	1.65	1.45	1.45
1	4	2	5089	.82	.82	.66	.62	.62	.43	.55
1	4	2	5157	.94	.70	.82	.62	.62	.62	.59
1	4	4	10355	1.65	1.29	1.33	1.33	1.25	1.25	1.06
1	4	5	15096	2.16	1.81	1.69	1.85	1.65	1.45	1.57
1	3	2	5083	.74	.78	.82	.74	.62	.74	.55
1	3	2	5128	.98	.70	.74	.74	.55	.62	.55
1	3	4	10355	1.65	1.41	1.33	1.18	1.25	1.25	1.06
1	3	5	15143	2.16	1.88	1.88	1.73	1.77	1.53	1.57
1	2	2	5087	.94	.70	.55	.62	.62	.62	.55

1	2	2	5131	1.06	.82	.74	.74	.62	.62	.55
1	2	4	10338	1.85	1.41	1.33	1.22	1.25	1.25	1.25
1	2	5	14940	1.96	1.88	1.88	1.73	1.77	1.53	1.57
1	1	2	5089	.94	.70	.82	.74	.62	.70	.62
1	1	2	5134	.82	.70	.74	.62	.55	.74	.59
1	1	4	10373	1.45	1.41	1.33	1.29	1.25	1.25	1.06
1	1	5	15103	1.96	1.88	1.88	1.73	1.65	1.53	1.37
2	1	5	16230	2.01	1.81	1.73	1.61	1.50	1.38	1.26
2	1	5	15910	1.89	1.81	1.73	1.65	1.54	1.34	1.26
2	1	7	25670	2.80	2.91	2.80	2.60	2.36	2.24	2.01
2	1	8	38800	5.04	4.57	4.33	4.06	3.74	3.46	3.15
2	1	9	50950	6.14	6.02	5.71	5.28	5.00	4.57	4.13
2	2	5	15910	2.36	1.81	1.77	1.69	1.61	1.26	1.30
2	2	5	15730	2.13	1.85	1.77	1.69	1.61	1.26	1.26
2	2	7	25530	3.27	2.99	2.87	2.76	2.48	2.09	2.05
2	2	8	38690	5.04	4.49	4.29	4.06	3.70	3.50	3.19
2	2	9	51350	6.69	5.98	5.71	5.24	4.92	4.53	4.17
2	3	5	14980	2.36	1.81	1.73	1.61	1.50	1.38	1.26
2	3	5	14910	2.44	1.81	1.73	1.65	1.54	1.38	1.26
2	3	7	24670	2.80	2.87	2.80	2.60	2.40	2.20	2.05
2	3	8	38080	4.69	4.49	4.29	4.06	3.70	3.50	3.15
2	3	9	50880	5.98	5.83	5.59	5.28	4.88	4.49	4.13
2	4	5	15020	1.85	1.77	1.65	1.85	1.50	1.38	1.26
2	4	5	14660	1.65	1.73	1.69	1.69	1.54	1.34	1.22
2	4	7	24420	2.99	2.83	2.80	2.48	2.40	2.13	2.01
2	4	8	38370	4.76	4.33	4.17	3.90	3.62	3.39	3.03
2	4	9	51060	5.98	5.75	5.51	5.12	4.76	4.37	3.98
2	5	5	15160	2.09	1.73	1.69	1.61	1.46	1.38	1.30
2	5	5	14980	1.93	1.73	1.69	1.57	1.46	1.38	1.30
2	5	7	24710	2.87	2.80	2.64	2.44	2.44	2.17	1.97
2	5	8	38470	4.96	4.29	4.13	3.86	3.62	3.39	3.07
2	5	9	51420	6.14	5.63	5.39	5.04	4.76	4.33	3.98
2	6	5	14550	2.17	1.81	1.73	1.57	1.46	1.38	1.26
2	6	5	14800	1.77	1.81	1.73	1.61	1.50	1.38	1.30
2	6	7	24740	2.87	2.83	2.64	2.48	2.32	2.17	2.01
2	6	8	38440	4.96	4.37	4.13	3.90	3.58	3.39	3.03
2	6	9	51520	6.54	5.59	5.35	5.04	4.69	4.33	4.02
2	7	5	16090	2.01	1.85	1.77	1.69	1.57	1.46	1.38
2	7	5	15730	1.81	1.85	1.81	1.69	1.61	1.50	1.38
2	7	7	25780	3.23	2.95	2.83	2.64	2.48	2.32	2.13
2	7	8	38400	5.04	4.57	4.37	4.13	3.86	3.62	3.31
2	7	9	51350	6.18	5.98	5.75	5.39	5.08	4.72	4.37
2	8	5	15300	1.93	1.73	1.69	1.54	1.46	1.42	1.22
2	8	5	14910	1.85	1.77	1.65	1.54	1.46	1.42	1.14
2	8	7	24960	2.60	2.80	2.76	2.52	2.40	2.20	2.05
2	8	8	38580	4.61	4.45	4.25	3.98	3.70	3.46	3.11
2	8	9	51770	6.30	5.79	5.51	5.20	4.88	4.45	4.13
2	9	5	14910	2.60	2.24	2.13	1.97	1.81	1.69	1.54
2	9	5	15020	2.64	2.24	2.13	1.97	1.85	1.73	1.54
2	9	7	24100	3.15	3.58	3.39	3.15	2.91	2.68	2.44
2	9	8	37900	5.43	5.51	5.24	4.88	4.49	4.17	3.78
2	9	9	50950	7.52	7.20	6.77	6.38	5.91	5.47	4.92
2	10	5	15120	2.36	2.36	2.20	2.09	1.89	1.73	1.54
2	10	5	15270	2.20	2.32	2.20	2.05	1.93	1.73	1.57

2	10	7	23170	3.54	3.70	3.54	3.27	2.99	2.76	2.48
2	10	8	38220	5.87	5.83	5.47	5.16	4.72	4.37	3.82
2	10	9	51490	8.03	7.52	7.20	6.73	6.14	5.75	5.16
2	11	5	15200	2.68	2.48	2.36	2.20	2.09	1.89	1.73
2	11	5	15340	2.56	2.48	2.40	2.24	2.09	1.93	1.77
2	11	7	23240	4.17	4.02	3.78	3.58	3.31	3.07	2.76
2	11	8	38290	6.50	6.22	5.94	5.59	5.20	4.80	4.33
2	11	9	51700	8.66	8.19	7.80	7.28	6.73	6.22	5.59
2	12	5	15050	2.32	2.32	2.44	2.17	1.93	1.65	1.50
2	12	5	14590	1.81	2.48	2.52	2.48	1.89	1.61	1.54
2	12	7	23600	4.13	3.66	3.54	3.23	3.03	2.80	2.52
2	12	8	37900	6.10	5.91	5.55	5.20	4.80	4.33	3.90
2	12	9	50770	8.03	7.72	7.24	6.77	6.26	5.71	5.12
2	13	5	15160	2.83	2.28	2.13	1.97	1.81	1.65	1.46
2	13	5	15090	2.52	2.28	2.13	1.97	1.81	1.65	1.50
2	13	7	23210	3.78	3.62	3.43	3.15	2.91	2.64	2.36
2	13	8	38440	5.71	5.59	5.35	4.96	4.57	4.17	3.78
2	13	9	51740	8.23	7.40	7.05	6.54	6.02	5.51	4.92
2	14	5	14950	2.09	1.81	1.57	1.57	1.46	1.10	1.14
2	14	5	15300	2.09	1.77	1.65	1.57	1.46	1.34	1.34
2	14	7	23630	2.87	2.87	2.64	2.52	2.28	2.20	2.13
2	14	8	38330	4.41	4.49	4.25	3.98	3.66	3.43	3.07
2	14	9	51200	6.65	5.94	5.59	5.24	4.88	4.49	4.06
2	15	5	15120	1.61	1.73	1.61	1.69	1.34	1.26	1.26
2	15	5	15020	1.73	1.69	1.61	1.42	1.38	1.38	1.10
2	15	7	25350	2.99	2.76	2.60	2.36	2.32	2.24	1.81
2	15	8	39010	4.76	4.37	4.13	3.94	3.58	3.35	3.03
2	15	9	51990	6.57	5.83	5.51	5.12	4.80	4.45	4.06
2	16	5	15300	2.44	2.28	2.17	2.01	1.85	1.69	1.50
2	16	5	15050	2.48	2.24	2.17	1.97	1.81	1.61	1.42
2	16	7	24890	3.90	3.74	3.50	3.23	2.99	2.72	2.40
2	16	8	38870	6.34	5.91	5.51	5.12	4.72	4.29	3.86
2	16	9	52200	8.23	7.76	7.32	6.77	6.18	5.67	5.04
3	1	1	1000	.19	.16	.16	.12	.13		
3	2	1	1000	.17	.15	.15	.12	.12		
3	3	1	1000	.16	.15	.15	.11	.12		
3	4	1	1000	.15	.14	.14	.11	.12		
3	5	1	1000	.15	.14	.14	.11	.12		
3	6	1	1000	.15	.13	.14	.11	.12		
3	7	1	1000	.16	.15	.15	.12	.13		
3	8	1	1000	.15	.14	.15	.12	.12		
3	9	1	1000	.17	.16	.17	.13	.14		
3	10	1	1000	.17	.17	.18	.14	.14		
3	11	1	1000	.20	.19	.19	.16	.16		
3	12	1	1000	.18	.17	.18	.14	.14		
3	13	1	1000	.17	.16	.17	.14	.14		
3	14	1	1000	.14	.13	.14	.11	.11		
3	15	1	1000	.14	.13	.14	.11	.11		
3	16	1	1000	.18	.18	.19	.15	.15		
4	1	4	9899	1.26	1.18	1.10	1.02	1.06	.83	.87
4	1	4	9804	1.26	1.10	1.06	.98	.98	.83	.83
4	1	5	14730	1.85	1.73	1.65	1.50	1.46	1.30	1.22
4	1	7	25853	3.11	2.87	2.64	2.48	2.36	2.09	1.97
4	2	4	9915	1.22	1.18	1.10	1.06	.98	.94	.87

4	2	4	9915	1.18	1.14	1.06	.98	.94	.87	.79
4	2	5	14746	1.77	1.73	1.61	1.46	1.42	1.26	1.14
4	2	7	25678	3.07	2.80	2.76	2.44	2.40	2.13	2.09
4	3	4	9836	1.18	1.14	1.06	.98	.94	.83	.83
4	3	4	9868	1.22	1.14	1.06	.98	.94	.87	.79
4	3	5	14730	1.81	1.69	1.57	1.46	1.38	1.26	1.18
4	3	7	25774	3.11	2.80	2.64	2.36	2.36	2.09	2.09
4	4	4	9709	1.22	1.14	1.06	.98	.94	.87	.83
4	4	4	9788	1.18	1.06	1.02	.94	.91	.79	.79
4	4	5	14730	1.77	1.57	1.57	1.42	1.38	1.22	1.22
4	4	7	25551	3.03	2.60	2.56	2.32	2.24	2.01	2.13
4	5	4	9645	1.18	1.06	1.06	.98	.94	.87	.83
4	5	4	9772	1.14	1.10	1.06	.98	.94	.87	.83
4	5	5	14619	1.73	1.54	1.57	1.42	1.42	1.26	1.22
4	5	7	25599	3.03	2.60	2.56	2.32	2.28	2.01	2.01
4	6	4	9550	1.10	1.06	.98	.94	.91	.83	.79
4	6	4	9629	1.14	1.14	1.06	1.02	.94	.87	.83
4	6	5	14365	1.73	1.69	1.61	1.46	1.38	1.30	1.18
4	6	7	25694	2.91	2.72	2.56	2.40	2.24	2.05	1.93
4	7	4	9693	1.26	1.18	1.14	1.06	1.02	.94	.91
4	7	4	9661	1.26	1.18	1.10	1.06	1.02	.94	.91
4	7	5	14492	1.93	1.77	1.69	1.57	1.50	1.38	1.30
4	7	7	25678	3.11	2.80	2.68	2.48	2.48	2.13	2.13
4	8	4	9772	1.26	1.22	1.18	1.10	1.06	.98	.91
4	8	4	9820	1.14	1.10	1.06	.98	.94	.87	.83
4	8	5	14603	1.77	1.57	1.61	1.46	1.42	1.26	1.22
4	8	7	25662	3.07	2.56	2.56	2.32	2.32	2.05	2.01
4	9	4	9756	1.42	1.30	1.30	1.14	1.14	.98	.98
4	9	4	9756	1.42	1.30	1.30	1.14	1.14	.94	.98
4	9	5	14730	2.17	1.97	1.89	1.73	1.69	1.50	1.46
4	9	7	25678	3.62	3.31	3.19	2.95	2.83	2.52	2.40
4	10	4	9756	1.42	1.38	1.38	1.26	1.18	1.06	1.02
4	10	4	9741	1.42	1.38	1.38	1.22	1.18	1.06	.98
4	10	5	14619	2.20	2.05	2.01	1.85	1.73	1.57	1.54
4	10	7	25631	3.70	3.46	3.35	3.11	2.91	2.64	2.52
4	11	4	9741	1.57	1.50	1.50	1.30	1.30	1.14	1.10
4	11	4	9709	1.61	1.50	1.46	1.26	1.34	1.14	1.10
4	11	5	14571	2.44	2.28	2.20	2.05	2.01	1.77	1.73
4	11	7	25551	4.02	3.70	3.58	3.31	3.27	2.83	2.76
4	12	4	9613	1.46	1.46	1.38	1.26	1.22	1.06	.98
4	12	4	9677	1.42	1.42	1.38	1.22	1.14	1.06	.94
4	12	5	14523	2.24	2.13	2.01	1.85	1.69	1.54	1.46
4	12	7	25710	3.86	3.50	3.35	3.03	2.91	2.52	2.44
4	13	4	9741	1.46	1.38	1.34	1.22	1.10	1.06	.91
4	13	4	9741	1.42	1.34	1.30	1.18	1.06	1.02	.87
4	13	5	14555	2.20	2.09	1.89	1.77	1.69	1.42	1.46
4	13	7	25631	3.66	3.46	3.15	2.95	2.83	2.40	2.40
4	14	4	9725	1.06	1.02	.98	.91	.87	.79	.79
4	14	4	9677	1.14	1.10	1.02	.98	.91	.83	.79
4	14	5	14492	1.61	1.46	1.42	1.30	1.22	1.06	1.06
4	14	7	25694	2.91	2.60	2.48	2.32	2.17	1.89	1.89
4	15	4	9725	1.14	1.06	.98	.94	.87	.79	.79
4	15	4	9788	1.14	1.06	.91	.94	.87	.75	.75
4	15	5	14635	1.77	1.54	1.54	1.42	1.30	1.18	1.26

4	15	7	25472	2.87	2.52	2.48	2.36	2.20	1.97	2.05
4	16	4	9947	1.54	1.34	1.34	1.18	1.14	1.02	.94
4	16	4	9915	1.42	1.30	1.22	1.14	1.06	.94	.87
4	16	5	14666	2.17	2.01	1.93	1.77	1.65	1.46	1.42
4	16	7	25869	3.70	3.31	3.19	2.87	2.80	2.40	2.36
5	8	2	5060	.60	.40	.40	.30			
5	8	2	5110	.60	.40	.40	.30			
5	8	3	6850	.80	.60	.50	.50			
5	8	3	6940	.80	.60	.50	.50			
5	7	2	5190	.90	.60	.60	.60			
5	7	2	5140	.80	.60	.60	.60			
5	7	3	6950	1.10	.90	.80	.80			
5	7	3	6920	1.10	.90	.80	.80			
5	6	2	5190	.80	.70	.60	.60			
5	6	2	5170	.80	.60	.60	.60			
5	6	3	6950	1.00	.90	.80	.80			
5	6	3	7000	1.00	.90	.80	.70			
5	5	2	5090	.70	.40	.40	.30			
5	5	2	5170	.70	.40	.40	.30			
5	5	3	7010	1.00	.50	.50	.50			
5	5	3	7000	1.00	.60	.50	.50			
5	4	2	5200	.90	.70	.60	.50			
5	4	2	5140	1.00	.60	.60	.50			
5	4	3	6980	1.30	.90	.80	.80			
5	4	3	6970	1.30	.90	.80	.70			
5	3	2	5140	.90	.70	.60	.60			
5	3	2	5120	.90	.70	.60	.60			
5	3	3	7000	1.20	.90	.80	.80			
5	3	3	7040	1.20	.90	.80	.80			
5	2	2	4930	1.10	.50	.40	.40			
5	2	2	4940	1.10	.50	.40	.40			
5	2	3	7040	1.50	.70	.60	.60			
5	2	3	7030	1.60	.70	.60	.60			
5	1	2	5180	.80	.60	.60	.50			
5	1	2	5210	.90	.60	.60	.50			
5	1	3	7070	1.10	.90	.80	.70			
5	1	3	7030	1.10	.90	.70	.70			
5	16	2	5120	1.40	.60	.50	.40			
5	16	2	5150	1.40	.50	.50	.50			
5	16	3	7070	2.00	.80	.70	.60			
5	16	3	7090	2.00	.80	.70	.60			
5	15	2	5160	.80	.40	.40	.40			
5	15	2	5180	.90	.40	.40	.40			
5	15	3	7140	1.10	.60	.50	.50			
5	15	3	7130	1.10	.60	.50	.50			
5	14	2	5140	.90	.60	.50	.50			
5	14	2	5170	.90	.60	.50	.50			
5	14	3	7020	1.20	.80	.70	.70			
5	14	3	6980	1.20	.80	.70	.70			
5	13	2	5100	1.40	.80	.70	.70			
5	13	2	5130	1.50	.80	.70	.60			
5	13	3	6890	2.00	1.00	.90	.90			
5	13	3	6950	2.10	1.10	1.00	.90			
5	12	2	4960	1.00	.70	.60	.60			

5	12	2	4990	1.00	.70	.70	.60	
5	12	3	6980	1.30	1.00	.90	.80	
5	12	3	7060	1.40	1.00	.90	.80	
5	11	2	5050	1.50	1.00	1.00	.90	
5	11	2	5090	1.50	1.00	1.00	.90	
5	11	3	6950	2.10	1.50	1.30	1.20	
5	11	3	6840	2.10	1.40	1.30	1.30	
5	10	2	5170	1.20	1.00	.90	.90	
5	10	2	5110	1.30	1.00	.90	.90	
5	10	3	6920	1.60	1.40	1.30	1.20	
5	10	3	6890	1.70	1.40	1.30	1.20	
5	9	2	5170	1.20	.60	.50	.50	
5	9	2	5090	1.20	.60	.60	.50	
5	9	3	6980	1.60	.80	.80	.70	
5	9	3	6910	1.60	.80	.80	.70	
6	9	4	10772	2.73	1.91	1.80	1.67	1.57
6	9	5	15245	3.95	2.79	2.58	2.40	2.25
6	10	4	10190	2.24	1.88	1.79	1.65	1.55
6	10	5	14220	3.10	2.59	2.44	2.26	2.12
6	11	4	10425	2.36	1.95	1.83	1.69	1.59
6	11	5	14723	3.36	2.80	2.62	2.45	2.29
6	12	4	10277	2.11	1.66	1.55	1.42	1.33
6	12	5	14194	2.96	2.36	2.18	2.00	1.86
6	13	4	10219	2.48	1.55	1.46	1.34	1.25
6	13	5	16031	3.93	2.48	2.29	2.11	1.95
6	14	4	10481	1.67	1.26	1.19	1.10	1.04
6	14	5	15121	2.42	1.82	1.71	1.58	1.50
6	15	4	10235	1.52	1.25	1.23	1.12	1.08
6	15	5	14594	2.16	1.79	1.70	1.59	1.51
6	16	4	10022	1.97	1.48	1.38	1.25	1.17
6	16	5	13663	2.77	2.11	1.94	1.76	1.64
6	1	4	10119	2.09	1.27	1.22	1.12	1.08
6	1	5	14895	3.04	1.91	1.81	1.66	1.58
6	2	4	10083	1.75	1.35	1.32	1.22	1.17
6	2	5	14994	2.57	2.01	1.92	1.77	1.69
6	3	4	9953	1.88	1.37	1.31	1.21	1.15
6	3	5	14880	2.74	2.02	1.90	1.77	1.67
6	4	4	10413	2.08	1.41	1.37	1.27	1.22
6	4	5	16063	3.08	2.15	2.05	1.90	1.81
6	5	4	10140	1.98	1.55	1.52	1.43	1.38
6	5	5	15623	2.91	2.31	2.23	2.10	1.89
6	6	4	10332	2.48	1.64	1.61	1.52	1.46
6	6	5	14941	3.56	2.40	2.32	2.18	2.08
6	7	4	10170	2.10	1.73	1.69	1.58	1.53
6	7	5	14714	2.99	2.47	2.37	2.24	2.14
6	8	4	9979	2.00	1.62	1.59	1.50	1.45
6	8	5	15070	2.89	2.36	2.28	2.14	2.07
7	1	5	15757	3.60	3.50	3.10	2.40	1.90 1.40
7	1	5	15757	1.90	1.70	1.40	1.50	1.40 1.30
7	1	5	15757	1.90	1.70	1.40	1.50	1.40 1.30
7	1	6	19980	2.40	2.10	1.90	1.90	1.70 1.70
7	1	6	19980	2.40	2.10	1.80	1.80	1.70 1.60
7	1	6	19980	2.40	2.10	1.80	1.80	1.70 1.60
7	2	5	15243	2.00	1.70	1.40	1.50	1.40 1.40

7	2	5	15243	2.00	1.70	1.40	1.50	1.40	1.30
7	2	5	15243	2.00	1.70	1.40	1.50	1.40	1.30
7	2	6	19774	2.40	2.10	1.90	1.90	1.70	1.70
7	2	6	19774	2.40	2.10	1.80	1.80	1.80	1.70
7	2	6	19774	2.50	2.10	1.80	1.80	1.80	1.70
7	3	5	15449	2.00	1.70	1.40	1.50	1.40	1.40
7	3	5	15449	1.90	1.70	1.40	1.50	1.40	1.30
7	3	5	15449	2.00	1.70	1.40	1.50	1.40	1.30
7	3	6	19774	2.40	2.10	1.90	1.90	1.70	1.70
7	3	6	19774	2.30	2.10	1.80	1.80	1.80	1.70
7	3	6	19774	2.30	2.10	1.80	1.80	1.80	1.70
7	4	5	14831	1.90	1.60	1.30	1.50	1.40	1.40
7	4	5	14931	1.90	1.70	1.30	1.50	1.40	1.30
7	4	5	14931	1.90	1.70	1.40	1.50	1.40	1.30
7	4	6	19568	2.50	2.00	1.80	1.90	1.70	1.70
7	4	6	19568	2.40	2.00	1.70	1.80	1.70	1.60
7	4	6	19568	2.50	2.00	1.70	1.80	1.70	1.60
7	5	5	15655	1.90	1.60	1.30	1.50	1.40	1.40
7	5	5	15655	1.80	1.70	1.30	1.50	1.40	1.30
7	5	5	15655	2.40	1.60	1.30	1.50	1.40	1.30
7	5	6	19980	2.40	2.00	1.70	1.80	1.70	1.70
7	5	6	19980	3.70	2.00	1.70	1.80	1.70	1.60
7	5	6	19980	2.60	2.00	1.70	1.80	1.70	1.60
/	6	5	15449	1.90	1.70	1.40	1.50	1.40	1.30
7	6	5	15449	1.90	1.70	1.30	1.50	1.40	1.30
7	6	5	15449	1.90	1.70	1.30	1.50	1.40	1.30
7	6	6	19774	2.40	2.00	1.80	1.90	1.70	1.70
7	6	6	19774	2.40	2.00	1.70	1.80	1.70	1.60
7	6	6	19774	2.40	2.00	1.70	1.80	1.70	1.60
7	7	5	15860	2.00	1.70	1.50	1.60	1.50	1.50
7	7	5	15860	1.90	1.80	1.50	1.60	1.50	1.40
7	7	5	15860	1.90	1.80	1.50	1.60	1.50	1.40
7	7	6	20186	2.40	2.10	1.90	2.00	1.80	1.80
7	7	6	20186	2.40	2.20	1.90	1.90	1.90	1.70
7	7	6	20186	1.80	2.20	1.90	1.90	1.90	1.70
7	8	5	15449	2.00	1.70	1.50	1.50	1.50	1.50
7	8	5	15449	2.00	1.70	1.40	1.50	1.50	1.30
7	8	5	15449	2.00	1.70	1.40	1.50	1.50	1.40
7	8	6	20289	2.50	2.10	1.90	1.90	1.80	1.70
7	8	6	20289	2.40	2.10	1.80	1.90	1.80	1.70
7	8	6	20289	3.80	2.10	1.80	1.90	1.80	1.70
7	9	5	15655	2.40	2.10	1.80	1.90	1.70	1.70
7	9	5	15655	2.40	2.10	1.80	1.90	1.70	1.60
7	9	5	15655	2.40	2.10	1.80	1.90	1.70	1.60
7	9	6	19980	3.00	2.60	2.40	2.30	2.10	2.10
7	9	6	19980	3.10	2.60	2.30	2.30	2.10	2.00
7	9	6	19980	2.90	2.60	2.30	2.30	2.10	2.00
7	10	5	15449	2.50	2.20	1.90	2.00	1.80	1.80
7	10	5	15449	2.50	2.20	1.90	2.00	1.90	1.70
7	10	5	15449	2.50	2.20	1.90	2.00	1.90	1.70
7	10	6	19980	3.10	2.70	2.50	2.40	2.30	2.20
7	10	6	19980	3.10	2.80	2.40	2.40	2.30	2.10
7	10	6	19980	3.10	2.80	2.40	2.40	2.30	2.10
7	11	5	15449	2.60	2.40	2.10	2.10	2.00	1.90

7	11	5	15449	2.60	2.40	2.00	2.10	2.00	1.90
7	11	5	15449	2.60	2.40	2.00	2.10	2.00	1.90
7	11	6	19774	3.30	2.90	2.70	2.60	2.40	2.40
7	11	6	19774	3.30	3.00	2.60	2.60	2.50	2.30
7	11	6	19774	3.20	2.90	2.60	2.60	2.50	2.30
7	12	5	15655	2.50	2.20	2.00	2.00	1.80	1.80
7	12	5	15655	2.50	2.30	1.90	2.00	1.90	1.70
7	12	5	15655	2.50	2.30	1.90	2.00	1.90	1.70
7	12	6	19774	3.10	2.80	2.50	2.50	2.30	2.20
7	12	6	19774	3.10	2.80	2.50	2.40	2.30	2.10
7	12	6	19774	3.10	2.80	2.50	2.40	2.30	2.10
7	13	5	15449	2.50	2.10	1.90	1.90	1.70	1.70
7	13	5	15449	2.40	2.20	1.80	1.90	1.80	1.70
7	13	5	15449	2.40	2.20	1.80	1.90	1.80	1.70
7	13	6	19774	3.00	2.60	2.40	2.40	2.20	2.10
7	13	6	19774	3.00	2.70	2.40	2.40	2.20	2.00
7	13	6	19774	3.00	2.70	2.40	2.40	2.20	2.00
7	14	5	16169	1.90	1.70	1.40	1.50	1.40	1.40
7	14	5	16169	1.90	1.70	1.40	1.50	1.40	1.30
7	14	5	16169	1.90	1.70	1.40	1.50	1.40	1.30
7	14	6	20392	2.40	2.10	1.90	1.90	1.70	1.70
7	14	6	20392	2.50	2.10	1.80	1.90	1.80	1.70
7	14	6	20392	2.50	2.10	1.80	1.90	1.80	1.70
7	15	5	16066	1.80	1.60	1.30	1.50	1.30	1.30
7	15	5	16066	1.60	1.60	1.30	1.40	1.30	1.30
7	15	5	16066	2.00	1.60	1.30	1.40	1.40	1.30
7	15	6	20598	2.40	2.00	1.80	1.90	1.70	1.70
7	15	6	20598	2.50	2.00	1.80	1.80	1.70	1.60
7	15	6	20598	3.00	2.00	1.70	1.80	1.70	1.60
7	16	5	16272	2.50	2.20	1.90	1.90	1.80	1.70
7	16	5	16272	2.40	2.20	1.90	1.90	1.80	1.70
7	16	5	16272	2.50	2.20	1.90	1.90	1.80	1.70
7	16	6	20907	3.10	2.80	2.60	2.60	2.40	2.30
7	16	6	20907	3.00	2.70	2.40	2.40	2.30	2.20
7	16	6	20907	3.10	2.80	2.50	2.40	2.30	2.10

SITE 12

1	1	2	5066	14.90	10.90	8.50	5.43	3.62	2.00	1.37
1	1	2	5151	14.20	10.40	8.14	5.35	3.58	2.00	1.37
1	1	4	10172	29.50	21.80	17.10	11.20	7.71	3.93	2.79
1	1	5	14181	39.90	29.80	23.60	15.90	10.80	5.43	3.81
1	2	2	5063	13.30	10.80	8.81	6.18	4.37	2.32	1.37
1	2	2	5157	12.90	10.20	8.42	5.94	4.29	2.32	1.45
1	2	4	10160	25.90	20.60	16.90	12.00	8.50	4.52	2.79
1	2	5	14342	34.80	27.80	23.10	16.20	11.60	6.02	3.81
1	3	2	5101	7.99	6.77	5.43	3.85	3.07	1.85	1.37
1	3	2	5163	7.59	6.18	5.15	3.85	2.87	1.96	1.37
1	3	4	10278	15.60	12.80	10.80	7.83	5.98	3.74	2.59
1	3	5	14484	20.90	17.20	14.60	10.70	8.30	5.11	3.58
1	4	2	5080	7.91	6.57	5.43	4.05	3.07	2.16	1.45
1	4	2	5154	7.20	6.10	5.07	3.85	3.07	2.16	1.37
1	4	4	10190	15.30	12.50	10.70	8.14	6.29	3.93	2.79
1	4	5	14336	20.60	17.20	14.70	11.30	8.81	5.43	3.81

1	5	2	5098	8.42	6.37	5.07	3.42	2.59	1.65	1.14
1	5	2	5187	7.59	5.78	4.68	3.34	2.55	1.77	1.14
1	5	4	10213	15.70	12.00	9.76	7.04	5.27	3.22	2.28
1	5	5	14419	21.30	16.50	13.50	9.84	7.40	4.52	3.18
1	6	2	5086	6.61	4.33	3.22	2.32	1.77	1.25	1.06
1	6	2	5163	6.18	4.05	3.14	2.12	1.77	1.25	1.06
1	6	4	10237	11.90	7.71	6.02	4.33	3.38	2.44	2.08
1	6	5	14561	15.50	10.20	8.14	5.82	4.56	3.26	2.79
1	7	2	5172	5.66	4.60	3.74	2.75	2.04	1.33	1.14
1	7	2	5196	5.39	4.25	3.62	2.59	2.04	1.45	1.14
1	7	4	10249	10.70	8.54	7.16	5.27	3.97	2.67	2.08
1	7	5	14494	14.30	11.40	9.56	7.20	5.39	3.50	2.79
1	8	2	5101	7.28	5.51	4.21	2.83	1.96	1.25	1.06
1	8	2	5157	6.81	5.00	3.89	2.75	1.96	1.33	1.06
1	8	4	10267	14.00	10.20	8.22	5.59	3.97	2.44	1.96
1	8	5	14413	18.80	13.80	11.20	7.59	5.47	3.30	2.48
1	9	2	5048	17.20	11.40	8.46	5.15	3.03	1.41	1.06
1	9	2	5142	15.60	10.60	7.83	4.88	2.87	1.10	.94
1	9	4	10042	31.90	21.60	16.20	9.88	6.10	2.59	1.81
1	9	5	14023	42.30	28.70	21.70	13.30	8.42	3.74	2.48
1	10	2	5133	12.00	9.01	6.96	4.60	3.14	1.61	1.25
1	10	2	5187	11.40	8.62	6.73	4.48	2.95	1.77	1.14
1	10	4	10202	22.90	16.90	13.20	8.89	5.90	2.91	2.08
1	10	5	14273	30.50	22.70	18.00	12.20	8.22	4.21	2.99
1	11	2	5042	15.20	11.50	8.62	5.62	3.62	1.96	1.14
1	11	2	5172	14.00	10.60	8.14	5.23	3.58	1.85	1.25
1	11	4	10142	29.60	22.20	17.20	11.20	7.51	3.74	2.48
1	11	4	10066	27.90	21.10	16.30	10.50	7.20	3.50	2.36
1	11	5	14169	39.00	29.80	23.10	15.70	10.60	5.23	3.54
1	12	2	5086	9.01	6.57	5.27	3.62	2.87	1.85	1.25
1	12	2	5160	8.30	6.18	4.88	3.54	2.87	1.85	1.25
1	12	4	10113	16.50	12.30	9.96	7.12	5.47	3.30	2.28
1	12	5	14200	22.10	16.60	13.70	10.00	7.59	4.72	3.30
1	13	2	5060	10.10	7.40	5.59	3.89	2.71	1.61	1.06
1	13	2	5151	9.13	6.69	5.00	3.42	2.51	1.53	1.06
1	13	4	10155	18.80	13.70	10.40	7.32	5.43	3.22	2.16
1	13	5	14195	25.10	18.30	14.20	10.00	7.44	4.29	2.79
1	14	2	5078	8.62	6.29	4.91	.27	2.55	1.65	1.14
1	14	2	5154	7.99	5.90	4.48	3.14	2.44	1.65	1.14
1	14	4	10131	16.10	11.80	9.29	6.65	5.00	3.11	2.28
1	14	5	14092	21.30	15.90	12.70	9.21	7.08	4.40	3.03
1	15	2	5092	7.99	6.29	4.96	3.62	2.75	1.65	1.25
1	15	2	5163	7.99	6.18	4.88	3.54	2.67	1.65	1.14
1	15	4	10196	15.50	11.90	9.76	7.12	5.47	3.42	2.36
1	15	5	14183	20.60	16.00	13.10	9.68	7.40	4.64	3.30
1	16	2	5083	7.99	5.78	4.56	3.14	2.44	1.33	1.14
1	16	2	5175	7.51	5.39	4.21	2.95	2.36	1.65	1.14
1	16	4	10184	15.10	10.90	8.50	6.25	4.76	2.95	2.16
1	16	5	14135	20.30	14.50	11.70	8.66	6.53	4.13	2.99
2	1	5	15200	48.23	29.02	12.40	6.18	4.09	3.27	2.56
2	1	5	15020	46.54	28.58	12.36	6.14	4.09	3.11	2.60
2	1	7	23530	73.27	46.10	20.31	9.96	6.54	5.35	4.45
2	1	7	23530	73.27	46.10	20.31	9.96	6.54	5.35	4.45
2	1	7	23530	73.27	46.10	20.31	9.96	6.54	5.35	4.45

2	2	5	15020	40.28	27.01	12.20	6.02	3.82	3.19	2.52
2	2	5	14770	38.78	26.46	12.09	6.06	3.90	3.19	2.60
2	2	7	23920	62.87	42.80	19.80	9.92	6.54	5.24	4.49
2	2	8	35400	88.50	67.17	31.06	15.79	10.39	8.46	7.32
2	2	8	35400	88.50	67.17	31.06	15.79	10.39	8.46	7.32
2	3	5	14840	24.57	17.32	8.94	5.24	3.58	2.60	1.93
2	3	5	14840	24.33	17.24	9.06	5.28	3.62	2.72	2.09
2	3	7	23740	38.19	27.56	15.08	8.94	6.14	4.84	4.02
2	3	8	35470	58.62	42.01	23.90	14.33	9.84	7.80	6.42
2	3	9	47410	76.97	55.12	31.93	19.33	13.23	10.51	8.70
2	4	5	15270	26.93	17.60	10.04	5.87	3.82	2.95	2.24
2	4	5	14840	25.71	17.05	9.88	5.71	3.74	2.76	2.17
2	4	7	24560	43.15	28.23	16.65	9.76	6.38	4.84	3.94
2	4	8	37190	67.28	44.88	27.05	16.02	10.39	7.80	6.34
2	4	9	47450	82.48	59.49	36.57	21.89	14.09	10.59	8.66
2	5	5	14840	28.90	19.02	9.41	4.92	3.19	2.44	1.97
2	5	5	14800	28.43	18.74	9.37	4.92	3.11	2.44	2.01
2	5	7	23850	44.41	30.35	15.83	8.58	5.55	4.33	3.62
2	5	8	35290	65.63	45.63	24.76	13.98	8.94	7.09	5.87
2	5	9	47230	83.39	58.46	32.56	18.90	12.20	9.57	7.80
2	6	5	15480	13.86	9.17	4.80	3.31	2.80	2.56	2.17
2	6	5	15380	13.54	8.98	4.76	3.27	2.80	2.56	2.17
2	6	7	24490	20.08	13.86	7.83	5.67	4.84	4.33	3.86
2	6	8	36760	30.87	20.28	12.20	8.94	7.64	6.77	6.06
2	6	9	48840	40.00	25.79	16.02	11.93	10.20	9.13	7.99
2	7	5	15050	17.28	11.34	5.98	3.86	2.68	2.28	2.01
2	7	5	14870	16.38	11.10	5.87	3.90	2.56	2.05	1.81
2	7	7	23670	26.30	17.76	9.96	6.18	4.61	4.02	3.74
2	7	8	36290	39.61	26.85	15.39	9.57	7.40	6.54	5.79
2	7	9	48700	50.63	34.29	20.16	12.83	10.04	8.66	7.64
2	8	5	14950	25.47	15.83	6.89	3.78	2.60	2.09	1.81
2	8	5	15020	24.92	15.83	6.93	3.78	2.56	2.13	1.85
2	8	7	23630	37.56	24.65	11.46	6.22	4.37	3.70	3.23
2	8	8	35610	56.77	37.05	18.15	10.31	7.05	5.94	5.16
2	8	9	47520	55.79	47.76	24.09	13.98	9.61	8.07	6.97
2	9	5	14950	45.35	26.93	9.92	4.06	2.40	2.32	1.81
2	9	5	14910	43.54	26.42	9.92	4.13	2.48	2.32	1.85
2	9	7	23460	67.36	41.61	16.06	7.05	4.53	3.62	3.27
2	9	8	34580	75.83	64.33	25.43	11.50	7.44	6.14	5.43
2	9	8	34580	75.83	64.33	25.43	11.50	7.44	6.14	5.43
2	10	5	15050	34.17	21.57	8.70	4.33	2.91	2.36	2.28
2	10	5	14980	32.91	20.87	8.58	4.37	2.95	2.40	2.20
2	10	7	23740	53.07	33.58	14.17	6.85	5.24	4.49	3.86
2	10	8	35470	80.20	52.87	22.60	11.02	7.99	7.13	6.10
2	10	8	35470	80.20	52.87	22.60	11.02	7.99	7.13	6.10
2	11	5	14950	48.46	29.65	11.65	5.47	3.66	2.83	2.24
2	11	5	14980	43.90	27.95	11.46	5.63	3.78	2.87	2.24
2	11	7	23210	71.50	45.67	19.41	9.53	6.38	4.96	4.09
2	11	7	23210	71.50	45.67	19.41	9.53	6.38	4.96	4.09
2	11	7	23210	71.50	45.67	19.41	9.53	6.38	4.96	4.09
2	12	5	14770	26.69	16.81	8.86	5.04	3.31	2.72	2.09
2	12	5	14620	25.94	16.65	8.82	5.04	3.35	2.68	2.09
2	12	7	23600	41.14	26.97	14.84	8.62	5.79	4.61	3.78
2	12	8	35360	63.74	42.17	24.13	14.29	9.49	7.40	6.14

2	12	9	47090	85.12	57.28	33.15	19.72	13.07	10.08	8.27
2	13	5	14950	31.14	17.91	8.15	4.76	3.07	2.13	1.46
2	13	5	14340	29.69	17.64	8.15	4.72	3.31	2.24	1.38
2	13	7	23460	47.83	29.41	14.80	8.19	5.35	4.17	3.19
2	13	8	35150	73.23	46.18	24.37	13.54	8.70	6.81	5.63
2	13	9	46730	83.11	61.93	33.70	18.90	12.01	9.33	7.80
2	14	5	14770	24.41	15.24	7.80	4.45	3.07	2.40	1.85
2	14	5	14730	23.43	15.08	7.80	4.49	3.03	2.32	1.81
2	14	7	24100	38.11	25.35	13.46	7.87	5.31	4.13	3.35
2	14	8	36150	59.57	39.69	21.97	13.03	8.62	6.69	5.47
2	14	9	47480	77.91	53.03	30.16	18.11	12.01	9.21	7.44
2	15	5	15520	27.09	18.03	9.37	5.28	3.50	2.72	2.28
2	15	5	15840	27.28	18.15	9.41	5.24	3.50	2.83	2.20
2	15	7	23530	41.34	28.19	15.12	8.70	5.75	4.49	3.66
2	15	8	35760	62.32	42.83	23.74	13.94	9.25	7.20	5.79
2	15	9	44870	82.87	57.05	32.09	18.98	12.56	9.72	7.83
2	16	5	15200	22.32	14.84	7.36	4.29	3.07	2.52	1.97
2	16	5	14980	21.46	14.57	7.36	4.29	3.03	2.32	1.89
2	16	7	23990	34.69	23.50	12.44	7.32	5.16	4.09	3.35
2	16	8	36040	54.21	36.69	20.16	12.01	8.39	6.57	5.35
2	16	9	47630	56.54	49.29	27.56	17.13	11.54	8.90	7.28
3	1	1	1000	1.66	1.08	.59	.35	.27		
3	2	1	1000	1.82	1.26	.65	.37	.27		
3	3	1	1000	.98	.75	.51	.34	.28		
3	4	1	1000	.99	.79	.56	.37	.31		
3	5	1	1000	1.07	.80	.51	.33	.26		
3	6	1	1000	.65	.46	.34	.26	.25		
3	7	1	1000	.70	.53	.37	.26	.24		
3	8	1	1000	.88	.60	.38	.26	.22		
3	9	1	1000	1.65	.95	.45	.25	.19		
3	10	1	1000	1.57	1.01	.53	.30	.23		
3	11	1	1000	1.67	1.08	.58	.34	.25		
3	12	1	1000	.99	.74	.50	.33	.26		
3	13	1	1000	1.01	.72	.49	.32	.25		
3	14	1	1000	.89	.66	.46	.32	.25		
3	15	1	1000	.99	.73	.50	.33	.25		
3	16	1	1000	.89	.66	.45	.31	.25		
4	1	4	9804	26.38	15.87	7.24	3.78	2.64	2.13	1.81
4	1	4	9804	25.63	15.31	7.05	3.70	2.60	2.05	1.77
4	1	5	14730	40.28	24.17	11.18	5.87	3.94	3.03	2.80
4	1	7	24121	70.04	41.81	19.72	10.24	6.77	5.08	4.88
4	2	4	9709	23.23	15.12	7.72	4.09	2.60	1.97	1.73
4	2	4	9677	22.80	14.80	7.60	4.02	2.60	1.97	1.69
4	2	5	14587	35.20	22.56	11.61	6.14	3.98	2.91	2.64
4	2	7	24391	60.79	37.99	19.45	10.43	6.57	5.04	4.57
4	3	4	9629	13.86	9.25	5.35	3.35	2.44	1.89	1.65
4	3	4	9788	13.66	9.09	5.31	3.31	2.44	1.81	1.61
4	3	5	14809	21.18	14.09	8.23	5.12	3.70	2.68	2.44
4	3	7	25074	36.50	23.98	14.25	8.98	6.30	4.69	4.25
4	4	4	9852	14.02	9.41	5.67	3.78	2.48	1.73	1.77
4	4	4	9852	13.62	9.02	5.51	3.82	2.32	1.69	1.69
4	4	5	14937	21.22	14.37	8.78	5.47	3.66	2.40	2.44
4	4	7	24773	37.48	25.20	15.51	9.80	6.34	4.45	4.21
4	5	4	9836	14.65	8.86	4.84	2.99	2.09	1.54	1.46

4	5	4	9804	14.25	8.74	4.80	2.99	2.20	1.54	1.50
4	5	5	14841	21.81	13.46	7.44	4.53	3.15	2.28	2.17
4	5	7	24884	38.07	23.35	13.07	7.87	5.51	3.74	3.62
4	6	4	10058	10.67	5.35	3.03	2.17	1.89	1.57	1.54
4	6	4	10027	10.47	5.31	3.03	2.20	1.93	1.61	1.57
4	6	5	14905	15.08	7.72	4.53	3.23	2.76	2.32	2.24
4	6	7	25440	25.43	12.68	7.64	5.47	4.61	3.86	3.70
4	7	4	9820	11.81	7.60	4.17	2.60	1.93	1.61	1.46
4	7	4	9852	11.54	7.44	4.06	2.48	1.89	1.61	1.46
4	7	5	14873	17.76	11.50	6.30	3.82	2.83	2.24	2.13
4	7	7	25059	30.67	19.61	10.94	6.61	4.92	3.82	3.66
4	8	4	9725	16.42	8.39	4.06	2.36	1.81	1.42	1.34
4	8	4	9756	15.91	8.23	4.02	2.40	1.73	1.38	1.26
4	8	5	14714	24.65	12.83	6.30	3.70	2.68	2.05	2.01
4	8	7	24916	42.91	22.44	11.18	6.54	4.57	3.43	3.35
4	9	4	9534	28.86	14.76	5.51	2.40	1.61	1.38	1.22
4	9	4	9566	28.07	14.41	5.39	2.40	1.61	1.38	1.26
4	9	5	14396	42.60	21.93	8.43	3.82	2.48	2.09	1.89
4	9	7	24010	72.60	37.72	14.84	6.73	4.49	3.66	3.43
4	10	4	9566	21.30	12.20	5.43	2.87	2.05	1.69	1.57
4	10	4	9629	20.79	11.93	5.35	2.83	2.05	1.65	1.61
4	10	5	14523	32.17	18.35	8.23	4.29	3.07	2.48	2.40
4	10	7	24471	55.91	31.46	14.21	7.44	5.24	4.29	3.94
4	11	4	9391	26.42	15.04	6.65	3.39	2.36	1.85	1.73
4	11	4	9439	25.83	14.84	6.61	3.35	2.36	1.85	1.73
4	11	5	14444	40.71	23.39	10.43	5.35	3.58	2.76	2.60
4	11	7	24057	71.61	40.83	18.54	9.57	6.26	4.76	4.41
4	12	4	9788	15.16	9.02	4.96	3.03	2.13	1.65	1.46
4	12	4	9741	14.84	8.94	4.96	3.11	2.20	1.69	1.50
4	12	5	14857	22.64	13.78	7.72	4.76	3.23	2.44	2.17
4	12	7	24931	39.45	23.98	13.78	8.46	5.75	4.21	3.86
4	13	4	9645	17.68	9.09	4.80	3.07	1.93	1.69	1.34
4	13	4	9613	17.17	8.98	4.76	2.83	2.01	1.57	1.34
4	13	5	14566	26.42	14.13	7.52	4.37	3.07	2.28	2.09
4	13	7	24836	46.54	25.00	13.58	7.95	5.24	3.86	3.66
4	14	4	9693	14.76	8.23	4.41	2.72	1.97	1.54	1.34
4	14	4	9725	14.45	8.15	4.45	2.80	2.01	1.57	1.42
4	14	5	14794	22.13	12.68	6.93	4.17	3.03	2.24	2.01
4	14	7	24884	38.54	22.17	12.36	7.48	5.24	4.06	3.54
4	15	4	9677	15.00	8.78	4.88	3.23	2.09	1.81	1.34
4	15	4	9725	14.76	8.70	4.88	3.19	2.17	1.81	1.46
4	15	5	14778	22.36	13.27	7.56	4.57	3.23	2.40	2.09
4	15	7	24931	39.49	23.23	13.35	8.31	5.67	4.41	3.62
4	16	4	9788	13.78	7.99	4.33	2.76	2.05	1.54	1.34
4	16	4	9772	13.27	7.80	4.29	2.80	2.13	1.57	1.50
4	16	5	14778	20.31	11.93	6.57	4.17	3.07	2.20	2.05
4	16	7	24995	35.67	20.67	11.61	7.36	5.39	3.66	3.62
5	1	2	5050	9.20	4.30	2.30	1.70			
5	1	2	5090	9.30	4.20	2.30	1.70			
5	1	3	6880	14.20	6.40	3.20	2.30			
5	1	3	6930	14.20	6.40	3.20	2.40			
5	2	2	5010	7.80	3.90	2.10	1.50			
5	2	2	4980	7.80	3.80	2.10	1.50			
5	2	3	6980	11.70	5.80	3.10	2.10			

5	2	3	6900	11.50	5.80	3.10	2.10
5	3	2	5050	5.30	2.80	1.80	1.30
5	3	2	5060	5.40	2.80	1.70	1.40
5	3	3	6900	8.30	4.20	2.60	1.90
5	3	3	6880	8.10	4.20	2.50	1.90
5	4	2	5010	5.60	3.10	1.90	1.40
5	4	2	4970	5.60	3.10	2.00	1.40
5	4	3	6880	8.90	4.70	2.90	2.20
5	4	3	6900	8.80	4.80	2.90	2.10
5	5	2	4980	5.70	2.80	1.60	1.10
5	5	2	4950	5.80	2.80	1.60	1.10
5	5	3	6820	9.00	4.30	2.30	1.70
5	5	3	6900	9.10	4.30	2.30	1.70
5	6	2	4995	3.00	1.40	1.00	.90
5	6	2	5090	3.10	1.40	1.00	.90
5	6	3	6900	4.60	1.90	1.40	1.30
5	6	3	6900	4.60	2.00	1.40	1.30
5	7	2	4990	3.70	1.70	1.00	.80
5	7	2	5010	3.70	1.80	1.10	.80
5	7	3	6930	6.10	2.80	1.60	1.20
5	7	3	7030	6.30	2.80	1.60	1.20
5	8	2	5130	4.90	2.20	1.30	.90
5	8	2	5110	4.70	2.20	1.30	1.00
5	8	3	6920	7.40	3.30	1.80	1.40
5	8	3	6840	7.40	3.30	1.90	1.40
5	9	2	5040	8.00	3.00	1.40	1.00
5	9	2	5060	8.10	3.00	1.50	1.00
5	9	3	6860	12.10	4.50	2.10	1.40
5	9	3	6960	12.20	4.50	2.10	1.40
5	10	2	4870	6.40	2.90	1.60	1.20
5	10	2	5020	6.60	3.00	1.60	1.20
5	10	3	6890	10.00	4.40	2.30	1.80
5	10	3	6940	10.00	4.40	2.30	1.70
5	11	2	5130	8.60	3.80	2.00	1.50
5	11	2	5070	8.50	3.80	2.00	1.50
5	11	3	6930	12.60	5.70	3.00	2.00
5	11	3	6920	12.50	5.70	2.90	2.00
5	12	2	5240	5.40	2.70	1.60	1.20
5	12	2	5090	5.20	2.60	1.60	1.10
5	12	3	6930	8.00	3.80	2.20	1.60
5	12	3	6940	8.10	3.80	2.20	1.60
5	13	2	5230	5.80	2.70	1.50	1.10
5	13	2	5180	5.60	2.60	1.50	1.10
5	13	3	6880	8.50	3.90	2.20	1.60
5	13	3	6930	8.70	3.90	2.10	1.60
5	14	2	5110	4.70	2.20	1.30	1.00
5	14	2	5120	4.70	2.20	1.30	1.00
5	14	3	6960	7.40	3.20	1.90	1.40
5	14	3	7000	7.40	3.30	1.90	1.40
5	15	2	4820	5.10	2.40	1.40	1.10
5	15	2	4930	5.10	2.40	1.50	1.10
5	15	3	7020	8.00	3.70	2.20	1.60
5	15	3	6990	8.00	3.70	2.20	1.50
5	16	2	5100	4.40	2.20	1.40	1.00

5	16	2	5080	4.40	2.30	1.40	1.10	
5	16	3	6910	6.70	3.30	2.00	1.50	
5	16	3	6950	6.70	3.30	2.00	1.50	
6	1	4	10074	17.56	15.59	6.40	4.24	3.34
6	2	4	10160	15.77	13.43	6.36	4.31	3.37
6	2	4	10949	17.14	14.64	6.96	4.69	3.65
6	3	4	10320	10.78	9.28	5.35	3.96	3.15
6	3	5	14578	16.96	14.67	8.07	5.84	4.61
6	4	4	10003	11.63	9.76	5.65	4.08	3.18
6	4	5	13524	17.49	14.76	7.25	5.08	4.45
6	5	4	9791	10.63	9.19	4.58	3.23	2.56
6	5	5	14468	17.31	14.94	7.26	4.97	3.88
6	6	4	10006	5.91	4.43	2.98	2.57	2.30
6	6	5	14841	9.03	6.75	4.39	3.73	3.32
6	7	4	9996	6.86	5.50	3.41	2.74	2.35
6	7	5	14651	10.52	8.51	5.04	3.99	3.40
6	8	4	10416	8.66	7.14	3.64	2.74	2.27
6	8	5	14439	13.01	10.83	5.24	3.84	3.15
6	9	4	9909	13.73	11.32	4.10	2.72	2.21
6	9	5	12177	17.59	14.38	5.17	3.39	2.75
6	10	4	9944	11.53	9.62	4.34	3.14	2.64
6	10	5	14041	17.62	14.61	6.34	4.54	3.79
6	11	4	10368	16.67	14.57	5.90	3.99	3.11
6	12	4	10412	11.31	9.43	5.08	3.78	2.97
6	12	5	14573	17.53	14.63	7.55	5.49	4.28
6	13	4	10420	11.87	10.02	4.91	3.51	2.75
6	13	5	13887	17.57	14.86	6.94	4.86	3.77
6	14	4	10415	10.20	8.55	4.40	3.28	2.62
6	14	5	14564	15.76	13.33	6.54	4.78	3.76
6	15	4	10462	11.11	9.42	5.02	3.64	2.81
6	15	5	14319	16.70	14.18	7.37	5.23	3.99
6	16	4	10360	9.33	7.80	4.24	3.14	2.51
6	16	5	14964	14.87	12.47	6.54	4.73	3.74
7	1	5	15449	55.30	30.50	13.60	6.60	4.30 3.50
7	1	5	15449	48.20	27.60	12.80	6.20	4.10 3.30
7	1	5	15449	46.90	27.20	12.80	6.20	4.20 3.40
7	1	6	18950	61.10	35.30	16.50	8.00	5.20 4.40
7	1	6	18950	57.40	33.90	16.10	7.80	5.20 4.30
7	1	6	18950	56.70	33.70	16.20	7.80	5.20 4.30
7	2	5	15243	47.00	30.00	14.60	6.70	4.10 3.30
7	2	5	15243	41.60	26.80	13.30	6.30	4.10 3.30
7	2	5	15243	40.40	26.20	13.10	6.30	4.10 3.30
7	2	6	18744	52.70	34.00	16.90	8.10	5.20 4.30
7	2	6	18744	49.60	32.40	16.40	8.00	5.20 4.20
7	2	6	18744	48.80	32.00	16.30	8.00	5.20 4.20
7	3	5	15037	29.30	18.30	10.20	5.70	3.90 3.10
7	3	5	15037	25.50	16.20	9.30	5.40	3.80 3.00
7	3	5	15037	24.80	15.90	9.20	5.40	3.80 3.00
7	3	6	19156	32.10	20.20	11.90	6.90	4.80 3.90
7	3	6	19156	30.60	19.60	11.70	6.80	4.80 3.80
7	3	6	19156	30.20	19.50	11.60	6.80	4.80 3.80
7	4	5	15655	30.30	20.20	11.80	6.50	4.10 3.50
7	4	5	15655	26.50	17.80	10.70	6.10	4.10 3.40
7	4	5	15655	25.70	17.40	10.50	6.10	4.10 3.40

7	4	6	19568	33.50	22.30	13.70	7.80	5.20	4.00
7	4	6	19568	32.10	21.70	13.40	7.70	5.20	4.00
7	4	6	19568	31.90	21.50	13.30	7.60	5.10	3.90
7	5	5	15346	32.50	20.20	10.90	5.70	3.60	3.00
7	5	5	15346	28.40	18.10	10.00	5.40	3.50	2.80
7	5	5	15346	27.70	17.90	9.80	5.30	3.50	2.80
7	5	6	18950	35.70	22.70	12.50	6.90	4.40	3.60
7	5	6	18950	33.90	21.90	12.20	6.60	4.40	3.50
7	5	6	18950	33.50	21.80	12.20	6.60	4.40	3.50
7	6	5	15655	21.90	10.10	5.20	3.60	3.10	2.90
7	6	5	15655	18.60	9.00	4.80	3.40	3.00	2.70
7	6	5	15655	18.10	8.90	4.80	3.40	3.00	2.70
7	6	6	19774	23.30	11.40	6.30	4.40	3.70	3.60
7	6	6	19774	21.70	11.00	6.10	4.30	3.70	3.50
7	6	6	19774	21.40	11.00	6.10	4.30	3.70	3.50
7	7	5	15655	19.80	12.50	6.60	3.90	3.00	2.80
7	7	5	15655	17.50	11.20	6.00	3.70	3.00	2.60
7	7	5	15655	17.10	11.00	5.90	3.70	3.00	2.60
7	7	5	19774	22.10	14.00	7.70	4.60	3.70	3.40
7	7	6	19774	21.00	13.40	7.40	4.50	3.70	3.30
7	7	6	19744	20.80	13.30	7.40	4.50	3.70	3.30
7	8	5	15037	28.50	15.70	7.20	3.90	2.80	2.40
7	8	5	15037	24.30	13.90	6.50	3.70	2.80	2.30
7	8	5	15037	23.50	13.70	6.50	3.70	2.80	2.30
7	8	6	19362	30.70	17.40	8.40	4.80	3.50	3.00
7	8	6	19362	28.80	16.80	8.10	4.60	3.50	2.90
7	8	6	19362	28.50	16.70	8.10	4.60	3.50	2.90
7	9	5	14831	58.60	29.70	10.60	3.70	2.40	2.20
7	9	5	14831	49.70	25.90	9.60	3.70	2.50	2.10
7	9	5	14831	47.90	25.20	9.50	3.70	2.50	2.20
7	9	6	18744	63.10	33.00	13.10	4.80	3.30	3.00
7	9	6	18744	58.30	31.10	12.20	4.70	3.30	2.90
7	9	6	18744	57.30	30.90	12.20	4.80	3.30	2.90
7	10	5	14831	45.70	25.20	10.80	4.90	3.50	2.90
7	10	5	14831	40.00	22.40	10.00	4.80	3.50	2.90
7	10	5	14831	38.90	22.00	9.90	4.90	3.50	2.90
7	10	6	18950	51.10	28.50	12.80	6.20	4.40	3.70
7	10	6	18950	48.00	27.10	12.50	6.10	4.40	3.70
7	10	6	18950	47.40	26.90	12.50	6.10	4.40	3.70
7	11	5	15140	55.70	30.90	12.80	5.70	3.80	3.30
7	11	5	15140	48.90	27.60	11.90	5.60	3.80	3.10
7	11	5	15140	47.30	27.10	11.80	5.60	3.80	3.10
7	11	6	19053	62.00	35.10	15.20	7.20	4.90	4.60
7	11	6	19053	58.10	33.60	15.00	7.20	4.90	4.40
7	11	6	19053	57.30	33.40	15.00	7.20	4.90	4.40
7	12	5	15655	31.80	18.70	10.00	5.40	3.70	3.00
7	12	5	15655	28.20	16.90	9.10	5.10	3.50	2.80
7	12	5	15655	27.80	16.70	9.10	5.10	3.50	2.80
7	12	6	19568	36.20	21.50	11.80	6.60	4.50	3.70
7	12	6	19568	34.30	20.80	11.50	6.50	4.50	3.60
7	12	6	19568	34.10	20.70	11.60	6.50	4.50	3.60
7	13	5	15037	40.20	19.60	9.70	4.90	3.30	2.70
7	13	5	15037	33.70	17.40	8.90	4.80	3.30	2.70
7	13	5	15037	32.50	17.10	8.80	4.80	3.30	2.60

7	13	6	19362	42.30	21.70	11.40	6.10	4.10	3.30
7	13	6	19362	39.60	21.40	11.30	6.10	4.20	3.30
7	13	6	19362	39.10	21.30	11.30	6.10	4.10	3.30
7	14	5	15346	30.90	17.20	9.00	5.00	3.30	2.70
7	14	5	15346	26.80	15.60	8.30	4.70	3.20	2.60
7	14	5	15346	26.10	15.30	8.20	4.80	3.20	2.70
7	14	6	19980	34.50	19.90	10.70	6.10	4.20	3.30
7	14	6	19980	32.40	19.30	10.50	5.90	4.10	3.30
7	14	6	19980	32.10	19.20	10.50	5.90	4.10	3.30
7	15	5	15860	31.40	18.80	10.00	5.50	3.60	3.00
7	15	5	15860	27.80	17.20	9.30	5.20	3.60	2.80
7	15	5	15860	27.20	17.10	9.30	5.20	3.60	2.80
7	15	6	19156	35.50	21.80	12.00	6.70	4.60	3.70
7	15	6	19156	33.50	21.10	11.70	6.50	4.50	3.50
7	15	6	19156	33.20	21.00	11.70	6.50	4.50	3.50
7	16	5	15655	29.40	16.20	8.30	4.70	3.30	2.70
7	16	5	15655	25.20	14.40	7.60	4.40	3.20	2.60
7	16	5	15655	24.60	14.20	7.50	4.40	3.20	2.60
7	16	6	19774	32.20	18.50	9.90	5.70	4.10	3.30
7	16	6	19774	30.60	18.00	9.70	5.60	4.00	3.20
7	16	6	19774	30.20	17.90	9.70	5.60	4.00	3.20

APPENDIX G: REFERENCE POINT TEST DATA

REFERENCE POINT TEST DATA

DE- VICE	TEST NO.	REPEAT	LOAD LB	DEFLECTION, MILS						
				D0	D1	D2	D3	D4	D5	D6
SITE 1										
1	1	1	13962	2.79	2.55	2.51	2.32	2.24	2.36	2.08
1	1	2	14235	2.55	2.55	2.44	2.63	2.55	2.44	2.16
1	1	3	14297	2.75	2.67	2.63	2.55	2.55	2.36	2.28
1	1	4	14313	2.87	2.75	2.63	2.55	2.36	2.36	2.08
1	1	5	14313	2.75	2.48	2.51	2.44	2.36	2.16	2.16
1	2	1	14860	3.14	3.07	2.91	2.95	2.67	2.44	2.36
1	2	2	15075	3.26	3.07	2.91	2.95	2.67	2.55	2.48
1	2	3	15081	3.26	3.03	2.95	2.75	2.75	2.75	2.48
1	2	4	14995	3.11	2.95	2.91	2.67	2.71	2.55	2.48
1	2	5	15084	3.07	3.14	2.91	2.83	2.67	2.67	2.36
1	3	1	14321	3.07	2.75	2.63	2.63	2.55	2.36	2.28
1	3	2	14462	2.75	2.55	2.51	2.63	2.44	2.16	2.16
1	3	3	14539	3.07	2.75	2.51	2.63	2.55	2.36	2.16
1	3	4	14557	2.95	2.67	2.63	2.55	2.44	2.44	2.16
1	3	5	14551	2.87	2.67	2.63	2.63	2.44	2.44	2.28
2	1	1	50230	8.27	7.80	7.36	6.93	6.38	5.87	5.35
2	1	2	50300	8.11	7.87	7.48	6.97	6.42	5.94	5.39
2	1	3	50170	8.19	7.83	7.52	6.97	6.46	5.94	5.35
2	1	4	50360	8.39	7.87	7.52	6.97	6.42	5.98	5.35
2	1	5	50410	8.27	7.83	7.52	6.93	6.42	6.02	5.39
2	2	1	50110	9.41	8.86	8.35	7.72	7.05	6.42	5.67
2	2	2	50200	9.25	8.62	8.15	7.48	6.77	6.18	5.51
2	2	3	50300	9.25	8.66	8.15	7.48	6.77	6.26	5.55
2	2	4	50220	9.25	8.62	8.15	7.44	6.81	6.26	5.51
2	2	5	50300	9.41	8.66	8.11	7.48	6.81	6.26	5.55
2	3	1	50250	8.66	8.15	7.72	7.24	6.69	6.22	5.71
2	3	2	50030	8.66	8.07	7.68	7.17	6.61	6.14	5.63
2	3	3	49600	8.62	8.07	7.68	7.13	6.57	6.06	5.55
2	3	4	49840	8.62	8.11	7.72	7.20	6.65	6.18	5.63
2	3	5	49800	8.66	8.11	7.76	7.20	6.57	6.18	5.59
3	1	1	1000	.20	.20	.21	.18	.19		
3	1	2	1000	.21	.20	.21	.18	.19		
3	1	3	1000	.21	.20	.21	.18	.19		
3	1	4	1000	.21	.20	.21	.18	.19		
3	1	5	1000	.21	.20	.21	.18	.19		
3	2	1	1000	.22	.22	.23	.20	.20		
3	2	2	1000	.22	.22	.23	.19	.20		
3	2	3	1000	.22	.22	.23	.20	.20		
3	2	4	1000	.22	.22	.23	.20	.20		
3	2	5	1000	.23	.22	.23	.20	.20		
3	3	1	1000	.19	.18	.18	.15	.16		
3	3	2	1000	.19	.18	.19	.16	.17		
3	3	3	1000	.19	.18	.19	.15	.17		
3	3	4	1000	.19	.18	.19	.16	.17		
3	3	5	1000	.19	.18	.19	.16	.17		
4	1	1	25392	3.86	3.74	3.78	3.07	3.43	2.68	3.23
4	1	2	25488	3.86	3.58	3.78	3.03	3.31	2.60	3.27

4	1	3	25519	3.90	3.62	3.86	2.91	3.35	2.64	3.27
4	1	4	25424	2.17	3.58	3.82	3.07	3.31	2.64	3.35
4	1	5	25488	4.41	3.62	3.78	3.07	3.27	2.64	3.23
4	3	1	24995	4.06	3.66	3.70	3.27	3.39	2.91	3.03
4	3	2	25202	3.98	3.66	3.46	3.23	3.43	2.95	3.07
4	3	3	24995	4.06	3.62	3.54	3.31	3.31	2.91	3.07
4	3	4	25011	4.06	3.62	3.46	3.23	3.27	2.91	2.95
4	3	5	24995	4.02	3.70	3.50	3.27	3.23	2.87	2.87
5	1	1	6810	1.00	.70	.80	.60			
5	1	2	6770	1.00	.70	.80	.60			
5	1	3	6800	.90	.70	.70	.60			
5	1	4	6790	.90	.70	.80	.60			
5	1	5	6550	.90	.70	.80	.60			
5	2	1	6630	1.70	.70	.80	.60			
5	2	2	6580	1.70	.70	.80	.60			
5	2	3	6600	1.70	.70	.80	.60			
5	2	4	6570	1.70	.70	.80	.60			
5	2	5	6710	1.80	.70	.80	.60			
5	3	1	6810	1.00	.70	.80	.60			
5	3	2	6920	1.00	.70	.70	.60			
5	3	3	6800	1.00	.70	.70	.60			
5	3	4	6850	1.00	.70	.80	.60			
5	3	5	6790	1.00	.70	.80	.60			
6	1	1	10012	1.44	1.19	1.12	1.01	.93		
6	1	2	10004	1.46	1.21	1.14	1.04	.95		
6	1	3	9965	1.44	1.20	1.13	1.02	.94		
6	1	4	10007	1.44	1.20	1.13	1.02	.94		
6	1	5	10010	1.47	1.23	1.16	1.06	.97		
6	2	1	9918	1.72	1.45	6.00	1.00	2.00		
6	2	3	10159	1.75	1.49	6.00	1.00	2.00		
6	2	5	10059	1.74	1.47	6.00	1.00	3.00		
6	3	2	10370	1.62	1.44	1.34	1.22	1.11		
6	3	3	10168	1.59	1.41	1.32	1.21	1.10		
6	3	4	10128	1.59	1.42	1.33	1.21	1.11		
6	3	5	10199	1.61	1.43	1.34	1.23	1.11		
7	1	1	19568	3.20	3.00	2.60	2.60	2.40	2.20	
7	1	2	19568	3.20	2.90	2.50	2.50	2.40	2.20	
7	1	3	19568	3.10	2.90	2.50	2.50	2.40	2.20	
7	1	4	19053	3.10	2.80	2.60	2.60	2.40	2.30	
7	1	5	19053	3.10	2.90	2.50	2.50	2.40	2.20	
7	1	6	19053	3.20	2.90	2.50	2.50	2.40	2.20	
7	2	1	18641	3.60	3.30	3.00	2.90	2.60	2.50	
7	2	2	18641	3.60	3.30	3.00	2.80	2.60	2.40	
7	2	3	18641	4.20	3.30	3.00	2.80	2.60	2.40	
7	2	4	18744	3.70	3.30	3.10	2.90	2.60	2.50	
7	2	5	18744	3.60	3.30	3.00	2.80	2.60	2.40	
7	2	6	18744	3.60	3.20	2.80	2.70	2.40	2.10	
7	3	1	19980	3.30	3.00	2.70	2.70	2.60	2.40	
7	3	2	19980	3.30	3.00	2.70	2.70	2.50	2.30	
7	3	3	19980	3.30	3.00	2.70	2.70	2.50	2.30	
7	3	4	19362	3.20	3.00	2.60	2.60	2.50	2.40	
7	3	5	19362	3.30	3.00	2.60	2.60	2.50	2.30	
7	3	6	19362	3.20	3.00	2.60	2.60	2.50	2.30	

SITE 2

1	1	1	13716	6.18	4.52	4.09	4.05	3.85	3.26	2.99
1	1	2	14075	6.10	4.52	4.40	4.13	3.97	3.26	2.87
1	1	3	14118	5.98	4.44	4.21	4.25	3.97	3.34	2.99
1	1	4	14176	5.78	4.52	4.29	4.13	3.97	3.34	2.95
1	1	5	14183	5.59	4.52	4.29	4.05	3.97	3.30	2.99
1	2	1	13935	7.08	5.51	5.15	4.96	4.68	4.17	3.50
1	2	2	14388	6.88	5.51	5.35	4.96	4.76	4.17	3.38
1	2	3	14384	6.88	5.51	5.35	5.03	4.88	4.05	3.50
1	2	4	14374	6.69	5.51	5.27	4.96	4.76	3.97	3.58
1	2	5	14379	6.61	5.31	5.27	5.03	4.68	4.05	3.50
2	1	1	44040	15.20	13.31	12.05	10.43	8.74	7.32	6.06
2	1	2	44310	15.39	13.43	12.13	10.51	8.82	7.40	6.10
2	1	3	44310	15.39	13.43	12.13	10.47	8.78	7.32	6.10
2	1	4	44370	15.35	13.39	12.13	10.51	8.78	7.36	6.10
2	1	5	44150	15.43	13.43	12.13	10.47	8.82	7.36	6.06
2	2	1	43410	17.44	15.12	13.98	12.13	10.35	8.66	7.09
2	2	2	43940	17.52	15.20	14.02	12.20	10.35	8.74	7.17
2	2	3	43480	17.60	15.24	14.02	12.20	10.35	8.74	7.13
2	2	4	43690	17.83	15.24	14.06	12.20	10.35	8.74	7.13
2	2	5	43870	17.68	15.28	13.98	12.20	10.35	8.78	7.13
3	1	1	1000	.29	.27	.25	.21	.20		
3	1	2	1000	.29	.27	.26	.21	.20		
3	1	3	1000	.29	.27	.25	.21	.20		
3	1	4	1000	.29	.27	.25	.21	.20		
3	1	5	1000	.29	.27	.25	.21	.20		
3	2	1	1000	.31	.29	.29	.23	.21		
3	2	2	1000	.31	.29	.28	.23	.21		
3	2	3	1000	.31	.29	.28	.23	.21		
3	2	4	1000	.32	.30	.28	.23	.22		
3	2	5	1000	.31	.29	.28	.23	.22		
4	1	1	25217	9.06	7.05	6.46	5.43	4.76	3.50	3.54
4	1	2	25440	9.02	6.97	6.46	5.43	4.80	3.46	3.58
4	1	3	25360	8.98	6.97	6.46	5.43	4.80	3.50	3.50
4	1	4	25360	8.98	7.05	6.42	5.43	4.72	3.58	3.39
4	1	5	25376	8.94	7.09	6.42	5.39	4.69	3.58	3.35
4	2	1	25170	10.43	8.23	7.76	6.54	5.75	4.53	4.37
4	2	2	25472	10.31	8.31	7.64	6.61	5.71	4.61	4.25
4	2	3	25376	10.28	8.27	7.68	6.54	5.71	4.57	4.25
4	2	4	25360	10.31	8.27	7.64	6.57	5.71	4.57	4.33
4	2	5	25345	10.24	8.31	7.60	6.57	5.63	4.57	4.25
5	1	1	6910	2.20	1.50	1.20	1.00			
5	1	2	6930	2.30	1.50	1.20	1.00			
5	1	3	6950	2.20	1.50	1.20	1.00			
5	1	4	6930	2.30	1.50	1.20	1.00			
5	1	5	6980	2.20	1.50	1.20	1.00			
5	2	1	6940	2.70	2.00	1.70	1.40			
5	2	2	6910	2.80	2.00	1.70	1.40			
5	2	3	6890	2.80	2.00	1.70	1.40			
5	2	4	6900	2.80	2.00	1.70	1.40			
5	2	5	6910	2.70	2.00	1.70	1.40			
6	1	1	10242	3.09	2.57	2.09	1.73	1.48		
6	1	2	9878	3.02	2.52	2.04	1.70	1.44		

6	1	3	9992	3.04	2.54	2.06	1.70	1.44	
6	1	4	9967	3.04	2.53	2.05	1.70	1.45	
6	1	5	9708	2.97	2.48	2.01	1.68	1.42	
6	2	1	10114	3.78	3.15	2.54	2.11	1.72	
6	2	2	10058	3.78	3.15	2.55	2.12	1.73	
6	2	3	10193	3.85	3.21	2.59	2.16	1.76	
6	2	4	10208	3.86	3.22	2.61	2.17	1.77	
6	2	5	10089	3.82	3.19	2.58	2.14	1.75	
7	1	1	20186	7.10	5.60	5.00	4.30	3.50	3.10
7	1	2	20186	6.70	5.60	4.80	4.20	3.50	3.00
7	1	3	20186	6.60	5.60	4.80	4.20	3.50	3.00
7	1	4	19880	7.00	5.50	5.00	4.30	3.60	3.10
7	1	5	19880	6.70	5.50	4.90	4.20	3.60	3.00
7	1	6	19880	6.60	5.40	4.80	4.20	3.60	3.00
7	2	1	19568	8.70	6.30	6.10	5.30	4.60	4.00
7	2	2	19568	7.90	6.40	5.90	5.20	4.50	3.80
7	2	3	19568	7.80	6.40	5.90	5.20	4.40	3.80
7	2	4	19671	8.10	6.30	6.10	5.40	4.50	4.00
7	2	5	19671	7.80	6.40	6.00	5.20	4.40	3.80
7	2	6	19671	7.80	6.40	5.90	5.20	4.40	3.70

SITE 3

1	1	1	14220	4.84	4.60	4.48	4.33	4.05	3.58	3.07
1	1	2	14492	4.76	4.72	4.48	4.44	4.17	3.77	3.18
1	1	3	14450	4.84	4.72	4.56	4.29	4.17	3.66	3.18
1	1	4	14509	4.92	4.72	4.56	4.44	4.17	3.77	3.07
1	1	5	14515	5.00	4.72	4.56	4.33	4.05	3.66	3.07
1	2	1	14840	5.78	5.39	5.43	5.23	5.00	4.37	3.74
1	2	2	15044	5.78	5.59	5.43	5.15	4.92	4.37	3.70
1	2	3	15049	5.78	5.70	5.35	5.35	5.00	4.48	3.81
1	2	4	14987	5.66	5.51	5.35	5.23	5.07	4.48	3.70
1	2	5	15034	5.66	5.51	5.39	5.15	5.00	4.29	3.81
1	3	1	14177	4.68	4.44	4.40	4.13	3.97	3.42	2.87
1	3	2	14454	4.72	4.52	4.48	4.25	3.97	3.50	2.99
1	3	3	14561	4.76	4.44	4.40	4.25	4.05	3.42	2.99
1	3	4	14596	4.76	4.52	4.40	4.33	4.05	3.42	2.99
1	3	5	14606	4.68	4.56	4.48	4.25	4.05	3.50	2.99
2	2	1	50770	20.39	19.09	17.64	15.83	13.54	11.34	9.13
2	2	2	50850	20.16	18.98	17.44	15.75	13.19	10.83	8.78
2	2	3	50450	20.51	18.82	17.32	15.51	13.23	10.94	8.78
2	2	4	50490	20.28	18.74	17.28	15.39	13.19	10.94	8.74
2	2	5	50630	20.24	18.66	17.36	15.43	13.15	10.91	8.74
2	3	1	51520	16.93	15.59	13.90	12.17	10.31	8.58	7.01
2	3	2	51380	15.59	15.47	13.86	12.05	10.20	8.54	6.97
2	3	3	51560	16.38	15.51	13.98	12.28	10.55	8.66	7.09
2	3	4	51560	16.26	15.39	14.02	12.32	10.28	8.62	6.97
2	3	5	51740	16.61	15.43	14.09	11.93	10.63	8.66	7.13
3	1	1	1000	.28	.26	.25	.20	.17		
3	1	2	1000	.28	.26	.25	.20	.17		
3	1	3	1000	.28	.26	.25	.20	.17		
3	1	4	1000	.28	.26	.25	.20	.17		
3	1	5	1000	.28	.26	.25	.20	.17		
3	2	1	1000	.33	.31	.30	.24	.21		

3	2	2	1000	.32	.31	.30	.24	.21		
3	2	3	1000	.33	.31	.29	.24	.21		
3	2	4	1000	.33	.31	.29	.24	.21		
3	2	5	1000	.33	.31	.29	.23	.21		
3	3	1	1000	.23	.22	.21	.17	.15		
3	3	2	1000	.23	.22	.21	.17	.15		
3	3	3	1000	.23	.22	.21	.17	.15		
3	3	4	1000	.24	.22	.21	.17	.15		
3	3	5	1000	.23	.22	.21	.17	.15		
4	1	1	25408	8.45	7.85	7.28	6.10	5.39	4.23	3.58
4	1	2	25312	8.49	7.89	7.28	6.14	5.39	4.27	3.54
4	1	3	25288	8.53	7.93	7.28	6.18	5.35	4.31	3.50
4	1	4	25264	8.53	7.89	7.28	6.18	5.35	4.27	3.50
4	1	5	25344	8.57	7.89	7.28	6.18	5.35	4.27	3.54
4	2	1	25249	9.76	9.41	8.50	7.40	6.57	5.31	4.41
4	2	2	25329	9.84	9.45	8.50	7.40	6.61	5.31	4.41
4	2	3	25297	9.88	9.45	8.50	7.40	6.57	5.28	4.45
4	2	4	25297	9.88	9.45	8.50	7.40	6.57	5.28	4.49
4	2	5	25265	9.88	9.37	8.50	7.40	6.54	5.28	4.49
4	3	1	24900	8.43	7.76	7.05	6.10	5.31	4.41	3.86
4	3	2	24979	8.54	7.64	7.09	6.10	5.35	4.33	3.66
4	3	3	25027	8.43	7.64	7.17	6.10	5.20	4.41	3.70
4	3	4	24979	8.39	7.56	7.05	6.10	5.28	4.37	3.74
4	3	5	25106	8.50	7.52	7.09	6.06	5.24	4.33	3.74
5	2	1	7060	3.80	2.90	2.50	2.30			
5	2	2	7100	3.90	2.90	2.50	2.30			
5	2	3	7090	3.90	2.90	2.50	2.30			
5	2	4	7120	3.90	2.90	2.50	2.30			
5	2	5	7150	3.90	2.90	2.50	2.30			
5	3	1	6920	3.70	2.10	1.70	1.60			
5	3	2	6870	3.60	2.10	1.70	1.60			
5	3	3	6940	3.70	2.10	1.80	1.60			
5	3	4	6910	3.70	2.10	1.70	1.50			
5	3	5	6970	3.70	2.10	1.70	1.60			
6	1	1	10113	3.31	2.77	2.26	1.81	1.47		
6	1	2	10006	3.27	2.75	2.23	1.79	1.44		
6	1	3	10248	3.34	2.81	2.28	1.82	1.48		
6	1	4	9861	3.35	2.82	2.31	1.85	1.50		
6	1	5	9977	3.26	2.73	2.22	1.78	1.44		
6	2	1	10533	4.23	3.26	2.73	2.23	1.80		
6	2	2	10263	4.01	3.17	2.64	2.16	1.74		
6	2	3	9331	3.64	2.87	2.39	1.96	1.57		
6	2	4	9360	3.69	2.88	2.40	1.97	1.58		
6	2	5	9775	3.80	2.98	2.48	2.03	1.64		
6	3	1	9862	3.63	2.59	2.16	1.78	1.46		
6	3	2	10355	3.76	2.73	2.27	1.87	1.53		
6	3	3	10061	3.67	2.63	2.19	1.81	1.48		
6	3	4	10155	3.72	2.69	2.23	1.85	1.51		
6	3	5	10758	3.88	2.81	2.35	1.95	1.59		
7	1	1	19980	6.80	6.20	5.70	5.00	4.30	3.70	
7	1	2	19980	6.60	6.00	5.50	4.80	4.10	3.50	
7	1	3	19980	6.50	6.00	5.50	4.80	4.10	3.40	
7	1	4	19774	6.50	6.10	5.60	5.00	4.10	3.50	
7	1	5	19774	6.30	5.90	5.40	4.70	4.00	3.40	

7	1	6	19774	6.30	5.80	5.30	4.60	4.00	3.30
7	2	1	19362	7.80	7.30	6.90	6.20	5.30	4.60
7	2	2	19362	7.60	7.20	6.70	5.90	5.10	4.30
7	2	3	19362	7.50	7.10	6.50	5.90	5.00	4.30
7	2	4	18847	7.50	6.90	6.50	5.70	4.90	4.20
7	2	5	18847	7.30	6.90	6.30	5.60	4.80	4.00
7	2	6	18847	7.80	7.40	6.80	6.10	5.30	4.50
7	2	7	18744	7.60	7.10	6.70	5.90	5.00	4.30
7	2	8	18744	7.60	7.20	6.70	5.90	5.10	4.30
7	2	9	18744	7.40	6.90	6.40	5.70	4.80	4.10
7	3	1	20804	6.50	5.80	5.40	4.70	3.90	3.40
7	3	2	20804	6.40	5.80	5.20	4.60	3.90	3.30
7	3	3	20804	6.40	5.80	5.20	4.50	3.90	3.30
7	3	4	20186	6.50	5.70	5.40	4.60	3.90	3.40
7	3	5	20186	6.40	5.70	5.20	4.50	3.90	3.30
7	3	6	20186	6.40	5.70	5.10	4.40	3.70	3.20

SITE 4

1	1	1	13805	29.40	20.90	16.00	10.20	7.00	3.81	2.59
1	1	2	14201	24.60	17.70	13.70	9.09	6.37	3.81	2.59
1	1	3	14261	23.90	17.30	13.50	8.89	6.37	3.85	2.59
1	1	4	14289	23.60	17.20	13.50	8.89	6.37	3.74	2.67
1	1	5	14289	23.30	17.20	13.40	9.09	6.37	3.74	2.48
1	2	1	14614	34.00	23.30	17.10	11.10	7.71	4.21	2.79
1	2	2	14901	29.00	21.50	15.00	9.88	7.08	4.01	2.79
1	2	3	14874	28.30	20.00	15.00	9.84	7.00	3.81	2.79
1	2	4	14872	28.00	20.00	14.80	9.80	6.88	3.93	2.79
1	2	5	14907	27.90	20.00	15.00	9.88	6.88	4.01	2.79
1	3	1	14033	36.40	23.90	16.50	9.68	6.37	3.66	2.48
1	3	2	14364	30.50	20.60	14.80	9.13	6.29	3.74	2.67
1	3	3	14340	29.60	20.30	14.60	9.09	6.29	3.81	2.67
1	3	4	14464	29.40	20.20	14.60	9.09	6.37	3.81	2.67
1	3	5	14399	29.10	20.00	14.40	8.97	6.37	3.74	2.67
2	2	1	46950	75.16	47.83	23.78	13.31	8.66	6.14	4.61
2	2	2	47090	71.81	46.77	23.86	13.62	9.06	6.50	5.00
2	2	3	47230	69.76	46.38	23.78	13.62	9.13	6.61	5.08
2	2	4	47200	68.07	46.18	23.70	13.58	9.09	6.61	5.08
2	2	5	47130	71.42	46.14	23.74	13.62	9.13	6.65	5.08
2	3	1	46840	80.43	50.67	23.98	13.35	8.50	6.14	4.69
2	3	2	46950	71.93	48.46	23.74	13.58	8.98	6.57	5.00
2	3	3	47060	71.65	48.23	23.70	13.58	9.06	6.57	5.08
2	3	4	47200	72.76	48.19	23.70	13.62	9.06	6.57	5.04
2	3	5	47060	73.39	48.11	23.70	13.66	9.09	6.73	5.08
3	1	1	1000	.65	.45	.30	.18	.14		
3	1	2	1000	.65	.45	.30	.18	.13		
3	1	3	1000	.65	.44	.30	.18	.14		
3	1	4	1000	.65	.45	.30	.18	.13		
3	1	5	1000	.65	.45	.30	.18	.13		
3	2	1	1000	.72	.48	.31	.18	.15		
3	2	2	1000	.72	.48	.31	.18	.14		
3	2	3	1000	.72	.48	.30	.18	.14		
3	2	4	1000	.71	.48	.30	.18	.14		
3	2	5	1000	.71	.48	.30	.18	.14		

3	3	1	1000	.76	.50	.31	.19	.14		
3	3	2	1000	.75	.50	.32	.19	.14		
3	3	3	1000	.74	.49	.31	.19	.14		
3	3	4	1000	.75	.49	.31	.19	.14		
3	3	5	1000	.74	.49	.31	.18	.14		
4	1	1	24359	42.64	24.53	12.48	7.09	5.04	3.58	3.15
4	1	2	24582	40.04	22.72	11.93	6.97	5.00	3.66	3.11
4	1	3	24582	39.45	22.40	11.81	6.97	4.96	3.62	2.95
4	1	4	24566	39.06	22.20	11.65	6.89	5.00	3.62	2.99
4	1	5	24534	38.94	22.20	11.61	7.01	4.84	3.62	2.83
4	2	1	24169	48.82	23.74	11.10	6.50	4.80	3.46	3.11
4	2	2	24439	45.47	23.43	11.42	6.81	5.00	3.58	3.11
4	2	3	24455	44.76	23.35	11.42	6.85	4.96	3.62	3.03
4	2	4	24423	44.49	23.31	11.42	6.85	4.96	3.58	3.03
4	2	5	24391	44.37	23.27	11.46	6.85	4.96	3.62	3.03
4	3	1	23994	50.16	25.16	11.69	6.85	4.88	3.50	3.03
4	3	2	24280	47.72	24.33	11.54	6.93	5.04	3.58	3.11
4	3	3	24312	47.09	24.02	11.50	6.89	5.00	3.58	2.99
4	3	4	24312	46.77	23.90	11.46	6.89	4.96	3.58	2.95
4	3	5	24296	46.54	23.82	11.46	6.93	4.96	3.62	2.91
5	2	1	6890	8.40	3.60	2.20	1.60			
5	2	2	6950	8.30	3.70	2.20	1.60			
5	2	3	6960	8.50	3.70	2.20	1.60			
5	2	4	7000	8.40	3.70	2.20	1.70			
5	2	5	7010	8.50	3.70	2.30	1.60			
5	3	1	7000	9.20	4.90	3.20	2.50			
5	3	2	7030	9.20	5.00	3.30	2.50			
5	3	3	7100	9.40	5.00	3.30	2.50			
5	3	4	7120	9.40	5.10	3.30	2.50			
5	3	5	7090	9.50	5.10	3.30	2.60			
6	1	1	10048	7.59	6.36	2.63	1.55	1.05		
6	1	2	10296	7.78	6.55	2.69	1.58	1.07		
6	1	3	10234	7.77	6.54	2.68	1.57	1.06		
6	1	4	10322	7.86	6.63	2.70	1.58	1.07		
6	1	5	9883	7.54	6.35	2.59	1.51	1.02		
6	2	1	10072	8.21	6.68	2.55	1.55	1.06		
6	2	2	10224	8.36	6.81	2.60	1.57	1.08		
6	2	3	10184	8.39	6.83	2.61	1.57	1.07		
6	2	4	10093	8.29	6.73	2.57	1.55	1.06		
6	2	5	10088	8.32	6.77	2.58	1.56	1.06		
6	3	1	10254	8.65	7.01	2.66	1.61	1.10		
6	3	2	10117	8.60	7.00	5.65	1.60	1.09		
6	3	3	10245	8.70	7.08	2.67	1.62	1.11		
6	3	4	10120	8.63	7.02	2.65	1.60	1.09		
6	3	5	10161	8.65	7.04	2.65	1.60	1.09		
7	1	1	18538	32.80	18.90	9.80	5.50	3.70	2.90	
7	1	2	18538	30.00	17.50	9.10	5.20	3.60	2.80	
7	1	3	18538	29.50	17.40	9.10	5.20	3.60	2.80	
7	1	4	18332	30.70	17.40	9.10	5.20	3.50	2.80	
7	1	5	18332	29.30	17.00	9.00	5.20	3.60	2.80	
7	1	6	18332	28.90	16.90	8.90	5.20	3.50	2.80	
7	2	1	18332	39.10	20.80	10.00	5.40	3.60	2.80	
7	2	2	18332	33.80	18.10	8.90	5.10	3.60	2.70	
7	2	3	18332	32.90	17.80	8.90	5.00	3.50	2.70	

7	2	4	18332	34.80	18.30	9.00	5.10	3.50	3.00
7	2	5	18332	32.80	17.80	8.90	5.00	3.60	2.90
7	2	6	18332	32.30	17.70	8.90	5.00	3.60	2.90
7	3	1	19156	43.30	22.00	10.40	5.70	3.80	3.00
7	3	2	19156	37.20	19.20	9.30	5.40	3.70	2.80
7	3	3	19156	36.20	18.80	9.30	5.30	3.70	2.80
7	3	4	19156	38.70	19.20	9.40	5.30	3.70	2.90
7	3	5	19156	36.00	18.80	9.20	5.30	3.70	2.80
7	3	6	19156	35.60	18.70	9.20	5.30	3.70	2.80

SITE 5

1	1	1	13791	17.40	11.10	8.03	5.15	3.26	1.53	.94
1	1	2	14135	15.70	10.20	7.36	4.72	3.07	1.45	.86
1	1	3	14169	15.50	10.10	7.32	4.68	2.95	1.45	.94
1	1	4	14210	15.30	10.10	7.28	4.64	3.07	1.33	.86
1	1	5	14240	15.10	10.10	7.36	4.64	3.11	1.45	.86
1	2	1	14403	18.70	11.60	8.30	5.23	3.30	1.33	.94
1	2	2	14704	16.80	10.60	7.63	4.84	2.95	1.33	.74
1	2	3	14781	16.40	10.50	7.55	4.72	3.07	1.33	.86
1	2	4	14751	16.30	10.20	7.48	4.84	3.07	1.33	.86
1	2	5	14838	16.10	10.50	7.55	4.84	3.14	1.45	.86
1	3	1	14261	18.30	10.80	7.63	4.72	2.87	1.33	.86
1	3	2	14586	17.60	10.60	7.55	4.72	2.87	1.33	.94
1	3	3	14547	17.20	10.50	7.51	4.64	2.95	1.25	.86
1	3	4	14588	17.00	10.60	7.55	4.84	3.07	1.45	.86
1	3	5	14600	17.20	10.60	7.59	4.64	2.87	1.33	.86
2	1	1	48660	42.24	25.71	12.28	5.91	3.19	2.20	1.85
2	1	2	49060	40.16	24.25	11.77	5.79	3.15	2.24	1.85
2	1	3	49020	39.49	23.90	11.69	5.75	3.19	2.24	1.81
2	1	4	49060	39.17	23.74	11.65	5.75	3.19	2.24	1.81
2	1	5	48990	38.86	23.66	11.61	5.75	3.19	2.20	1.85
2	2	1	48770	39.96	23.94	11.54	5.59	2.99	2.17	1.85
2	2	2	48950	39.72	23.82	11.50	5.59	2.99	2.17	1.85
2	2	3	48910	39.25	23.82	11.50	5.59	3.03	2.17	1.85
2	2	4	48880	39.06	23.74	11.50	5.63	3.03	2.17	1.85
2	2	5	48990	38.86	23.74	11.50	5.63	2.99	2.17	1.85
2	3	1	48590	42.95	24.37	11.02	5.12	2.83	2.13	1.81
2	3	2	48810	40.59	24.25	11.02	5.12	2.87	2.13	1.81
2	3	3	48770	41.10	24.21	11.06	5.12	2.87	2.13	1.81
2	3	4	48770	40.87	24.21	11.06	5.20	2.87	2.17	1.81
2	3	5	48700	40.87	24.09	11.02	5.16	2.87	2.13	1.81
3	1	1	1000	.36	.23	.13	.06	.05		
3	1	2	1000	.35	.23	.13	.06	.05		
3	1	3	1000	.36	.22	.13	.06	.05		
3	1	4	1000	.36	.23	.13	.06	.05		
3	1	5	1000	.36	.23	.13	.06	.05		
3	2	1	1000	.39	.23	.13	.06	.06		
3	2	2	1000	.39	.23	.13	.06	.06		
3	2	3	1000	.39	.23	.13	.06	.06		
3	2	4	1000	.39	.23	.13	.06	.06		
3	2	5	1000	.39	.23	.13	.06	.06		
3	3	1	1000	.42	.25	.14	.07	.06		
3	3	2	1000	.43	.25	.14	.07	.07		

3	3	3	1000	.42	.24	.14	.07	.06		
3	3	4	1000	.42	.24	.14	.07	.06		
3	3	5	1000	.42	.24	.14	.07	.06		
4	1	1	24788	23.94	11.93	5.24	2.32	1.54	.98	1.22
4	1	2	25027	23.19	11.65	5.20	2.28	1.50	.94	1.57
4	1	3	25011	23.03	11.61	5.20	2.32	1.57	.94	1.65
4	1	4	24979	22.80	11.50	5.12	2.28	1.46	.94	1.10
4	1	5	24979	22.76	11.46	5.12	2.28	1.46	.94	1.10
4	2	1	24614	27.36	11.85	4.92	2.17	1.42	1.06	1.22
4	2	2	25027	26.14	11.77	5.08	2.24	1.57	1.10	1.22
4	2	3	24979	25.43	11.69	5.00	2.17	1.42	1.02	1.14
4	2	4	24979	25.20	11.69	4.96	2.20	1.38	1.02	.98
4	2	5	25011	25.08	11.69	4.96	2.20	1.38	1.02	.98
4	3	1	24820	28.31	12.48	5.16	2.09	1.50	.91	1.26
4	3	2	25059	26.85	12.17	4.96	2.17	1.30	.94	1.06
4	3	3	24979	26.34	12.09	5.00	2.20	1.34	.98	1.02
4	3	4	24947	25.91	12.05	5.04	2.28	1.38	1.06	1.06
4	3	5	24979	25.75	11.97	4.96	2.20	1.34	.98	.98
5	1	1	7050	3.70	1.10	.50	.30			
5	1	2	7100	3.70	1.10	.50	.30			
5	1	3	7090	3.70	1.10	.50	.30			
5	1	4	7090	3.80	1.10	.50	.30			
5	1	5	7140	3.70	1.10	.50	.30			
5	2	1	7070	3.90	1.30	.50	.30			
5	2	2	7160	4.00	1.30	.50	.30			
5	2	3	7130	3.90	1.20	.50	.30			
5	2	4	7190	4.00	1.20	.50	.30			
5	2	5	7150	4.00	1.20	.50	.30			
5	3	1	7080	3.90	1.30	.60	.30			
5	3	2	7130	3.90	1.20	.50	.30			
5	3	3	6960	3.90	1.20	.60	.30			
5	3	4	7050	4.00	1.20	.60	.30			
5	3	5	7120	3.90	1.20	.50	.30			
6	1	1	10105	4.66	3.34	1.16	.66	.51		
6	1	2	10266	4.70	3.40	1.17	.66	.52		
6	1	3	10142	4.61	3.34	1.15	.65	.51		
6	1	4	10177	4.62	3.36	1.16	.66	.51		
6	1	5	10166	4.61	3.34	1.15	.65	.51		
6	2	1	10102	4.81	3.71	1.12	.64	.51		
6	2	2	10228	4.86	3.76	1.12	.65	.51		
6	2	3	9943	4.73	3.65	1.09	.63	.50		
6	2	4	10380	4.89	3.78	1.13	.65	.51		
6	2	5	10071	4.77	3.69	1.10	.63	.50		
6	3	1	10004	4.95	3.45	1.10	.60	.49		
6	3	2	9785	4.86	3.39	1.08	.59	.48		
6	3	3	10041	4.99	3.47	1.10	.61	.49		
6	3	4	10373	5.09	3.52	1.12	.62	.50		
6	3	5	10091	4.95	3.44	1.10	.61	.49		
7	1	1	19362	20.60	10.00	4.30	1.80	1.10	.90	
7	1	2	19362	18.60	9.30	3.90	1.70	1.10	.80	
7	1	3	19362	18.10	9.20	3.90	1.70	1.00	.80	
7	1	4	19774	19.70	9.70	4.20	1.80	1.10	1.00	
7	1	5	19774	18.20	9.20	3.90	1.70	1.00	.90	
7	1	6	19774	17.90	9.10	3.90	1.70	1.00	.90	

7	2	1	18950	22.20	10.20	4.10	1.70	1.00	.90
7	2	2	18950	20.00	9.40	3.80	1.60	1.00	.80
7	2	3	18950	19.50	9.30	3.80	1.60	1.00	.80
7	2	4	18950	20.90	9.60	3.90	1.70	1.00	.80
7	2	5	18950	19.40	9.30	3.80	1.60	1.00	.80
7	2	6	18950	19.20	9.30	3.80	1.60	1.00	.80
7	3	1	19568	24.40	10.60	4.10	1.60	1.00	.90
7	3	2	19568	21.70	9.80	3.80	1.60	1.00	.80
7	3	3	19568	21.20	9.80	3.80	1.60	1.00	.90
7	3	4	19362	23.10	10.20	3.90	1.60	1.00	.90
7	3	5	19362	21.20	9.80	3.80	1.60	1.00	.80
7	3	6	19362	20.90	9.70	3.80	1.60	1.00	.80

SITE 6

1	1	1	13713	15.30	7.00	5.15	4.64	4.37	3.46	2.87
1	1	2	14080	14.00	6.92	5.07	4.64	4.37	3.46	2.87
1	1	3	14163	13.70	6.81	5.35	4.72	4.48	3.58	2.87
1	1	4	14151	13.50	6.92	5.27	4.72	4.33	3.58	2.87
1	1	5	14134	13.30	6.85	5.27	4.64	4.17	3.46	2.79
1	2	1	14438	17.00	6.92	5.15	4.64	4.48	3.66	2.99
1	2	2	14702	15.20	6.73	5.07	4.64	4.37	3.77	2.99
1	2	3	14765	14.90	6.81	5.27	4.64	4.33	3.58	2.87
1	2	4	14860	14.60	6.73	5.15	4.72	4.37	3.66	2.99
1	2	5	14798	14.40	6.73	5.27	4.80	4.37	3.66	2.99
1	3	1	14051	18.10	6.41	4.56	4.52	4.29	3.58	2.87
1	3	2	14415	16.10	6.53	4.88	4.52	4.29	3.66	2.87
1	3	3	14462	15.60	6.73	4.88	4.44	4.29	3.46	2.99
1	3	4	14480	15.40	6.61	4.96	4.52	4.37	3.66	2.83
1	3	5	14523	15.30	6.81	5.07	4.64	4.37	3.77	2.87
2	1	1	49380	33.54	18.70	15.55	12.76	10.39	8.39	6.65
2	1	2	49410	31.57	18.66	15.59	12.91	10.59	8.54	6.81
2	1	3	49490	30.98	18.62	15.59	12.91	10.51	8.50	6.85
2	1	4	49200	30.43	18.62	15.55	12.87	10.51	8.50	6.77
2	1	5	49380	30.31	18.62	15.55	12.91	10.51	8.43	6.73
2	2	1	48560	28.86	17.44	15.55	12.95	10.51	8.50	6.73
2	2	2	48740	29.53	17.83	15.55	12.95	10.55	8.54	6.81
2	2	3	48910	29.84	18.03	15.59	12.99	10.55	8.54	6.81
2	2	4	48990	30.00	18.11	15.55	12.99	10.59	8.58	6.81
2	2	5	48950	30.08	18.15	15.59	12.99	10.59	8.54	6.85
2	3	1	48230	32.13	17.91	15.43	12.83	10.39	8.43	6.69
2	3	2	48520	31.26	18.15	15.39	12.87	10.47	8.54	6.77
2	3	3	48660	30.98	18.19	15.43	12.91	10.47	8.54	6.81
2	3	4	48630	30.87	18.27	15.43	12.91	10.47	8.58	6.81
2	3	5	48630	30.83	18.27	15.43	12.91	10.51	8.54	6.77
3	1	1	1000	.25	.22	.21	.15	.13		
3	1	2	1000	.25	.22	.21	.15	.13		
3	1	3	1000	.25	.22	.21	.16	.14		
3	1	4	1000	.25	.21	.21	.15	.13		
3	1	5	1000	.25	.21	.21	.15	.13		
3	2	1	1000	.30	.26	.25	.18	.15		
3	2	2	1000	.30	.26	.25	.18	.15		
3	2	3	1000	.30	.26	.25	.18	.15		
3	2	4	1000	.30	.26	.25	.18	.15		

3	2	5	1000	.30	.26	.25	.18	.15		
3	3	1	1000	.29	.26	.24	.18	.15		
3	3	2	1000	.29	.26	.24	.18	.15		
3	3	3	1000	.29	.26	.24	.18	.15		
3	3	4	1000	.29	.26	.24	.18	.15		
3	3	5	1000	.29	.26	.24	.18	.15		
4	1	1	24995	21.42	8.58	7.48	6.02	5.08	3.90	3.35
4	1	2	25186	21.02	8.66	7.52	6.06	5.12	3.98	3.39
4	1	3	25202	20.87	8.78	7.64	6.14	5.24	4.06	3.43
4	1	4	25233	20.67	8.66	7.60	6.06	5.12	3.90	3.31
4	1	5	25138	20.55	8.66	7.60	6.06	5.08	3.90	3.31
4	2	1	24916	22.28	8.54	7.48	6.02	5.08	3.78	3.39
4	2	2	25249	21.69	8.78	7.60	6.10	5.20	3.86	3.54
4	2	3	25249	21.54	8.78	7.60	6.10	5.16	3.86	3.46
4	2	4	25217	21.38	8.74	7.52	6.02	5.12	3.86	3.35
4	2	5	25249	21.38	8.86	7.60	6.10	5.20	3.98	3.43
4	3	1	24931	26.10	8.66	7.48	6.10	5.00	3.86	3.39
4	3	2	25265	24.21	8.82	7.52	6.10	5.04	4.02	3.39
4	3	3	25281	23.54	8.78	7.48	6.10	5.00	3.98	3.39
4	3	4	25265	23.11	8.78	7.48	6.10	4.96	3.90	3.35
4	3	5	25233	23.07	8.86	7.56	6.14	5.04	4.02	3.39
5	1	1	7050	4.50	2.50	2.00	1.70			
5	1	2	7060	4.50	2.50	2.00	1.70			
5	1	3	7090	4.50	2.50	2.00	1.70			
5	1	4	7070	4.60	2.50	2.00	1.70			
5	1	5	7080	4.50	2.50	1.00	1.70			
5	2	1	7070	4.50	2.50	2.00	1.70			
5	2	2	7070	4.50	2.40	2.00	1.70			
5	2	3	7050	4.50	2.40	2.00	1.60			
5	2	4	7060	4.40	2.50	2.00	1.70			
5	2	5	7060	4.50	2.40	2.00	1.70			
5	3	1	7000	4.80	2.50	2.00	1.60			
5	3	2	7010	4.80	2.50	2.00	1.70			
5	3	3	7040	4.80	2.50	2.00	1.60			
5	3	4	7030	4.80	2.40	2.00	1.60			
5	3	5	7000	4.90	2.50	2.00	1.60			
6	1	1	10279	5.34	4.02	2.73	2.15	1.75		
6	1	2	10273	5.38	4.05	2.74	2.16	1.76		
6	1	3	10388	5.43	4.09	2.77	2.19	1.78		
6	1	4	10172	5.36	4.05	2.74	2.15	1.75		
6	1	5	10016	5.31	4.01	2.71	2.13	1.74		
6	2	1	10207	5.70	3.95	2.74	2.17	1.78		
6	2	2	10001	5.61	3.89	2.70	2.13	1.74		
6	2	3	10389	5.83	4.04	2.80	2.21	1.82		
6	2	4	10282	5.78	4.00	2.77	2.19	1.79		
6	2	5	10518	5.95	4.10	2.84	2.25	1.83		
6	3	1	10049	5.55	3.85	2.74	2.13	1.75		
6	3	2	10010	5.56	3.85	2.74	2.13	1.75		
6	3	3	10150	5.64	3.90	2.77	2.15	1.77		
6	3	4	10057	5.59	3.86	2.75	2.14	1.75		
6	3	5	10172	5.66	3.92	2.78	2.16	1.77		
7	1	1	19053	16.30	6.80	5.70	4.80	3.90	3.20	
7	1	2	19053	15.20	6.80	5.70	4.70	3.80	3.10	
7	1	3	19053	15.00	6.90	5.70	4.70	3.80	3.10	

7	1	4	19053	16.50	6.90	5.90	4.70	3.80	3.40
7	1	5	19053	15.30	6.90	5.70	4.70	3.80	3.30
7	1	6	19053	15.20	6.90	5.70	4.70	3.80	3.30
7	2	1	18332	19.40	6.30	5.60	4.70	3.70	3.10
7	2	2	18332	17.50	6.40	5.50	4.60	3.70	3.00
7	2	3	18332	16.90	6.40	5.50	4.60	3.70	3.00
7	2	4	18744	18.50	6.50	5.60	4.60	3.70	3.30
7	2	5	18744	16.90	6.60	5.50	4.60	3.70	3.10
7	2	6	18744	16.60	6.60	5.50	4.60	3.70	3.10
7	3	1	18950	20.80	6.60	5.70	4.70	3.80	3.10
7	3	2	18950	18.10	6.70	5.70	4.70	3.80	3.10
7	3	3	18950	17.40	6.70	5.60	4.70	3.80	3.10
7	3	4	19259	18.50	6.60	5.70	4.70	3.80	3.30
7	3	5	19259	17.30	6.70	5.70	4.70	3.90	3.30
7	3	6	19259	16.90	6.70	5.70	4.70	3.80	3.20

SITE 7

1	1	1	14116	8.81	8.62	8.30	7.67	7.08	5.66	4.01
1	1	2	14441	9.01	8.62	8.30	7.75	7.00	5.39	4.01
1	1	3	14514	9.13	8.81	8.42	7.79	7.00	5.47	4.09
1	1	4	14517	8.89	8.81	8.50	7.75	7.08	5.59	4.09
1	1	5	14530	9.01	8.81	8.42	7.67	7.08	5.66	4.09
1	2	1	13984	9.92	9.48	9.13	8.42	7.79	5.90	4.29
1	2	2	14311	10.10	9.68	9.29	8.54	7.91	5.98	4.52
1	2	3	14326	10.00	9.68	9.29	8.54	7.79	6.10	4.60
1	2	4	14283	10.00	9.68	9.33	8.54	7.91	6.14	4.52
1	2	5	14356	10.10	9.68	9.37	8.42	7.91	6.10	4.52
2	1	1	48930	34.53	33.31	27.56	21.61	15.71	10.39	5.47
2	1	2	48680	35.00	32.95	27.72	21.77	15.79	10.43	5.67
2	1	3	48690	34.84	34.37	27.68	21.69	15.75	10.47	5.63
2	1	4	48710	34.96	33.90	27.72	21.81	15.75	10.31	5.39
2	1	5	48660	35.20	32.80	27.52	21.61	15.79	10.39	5.59
2	2	1	48420	33.35	30.79	25.94	20.39	14.65	9.61	4.92
2	2	2	48290	33.46	30.87	25.87	20.31	14.69	9.61	4.96
2	2	3	48370	29.29	30.83	25.87	20.16	14.69	9.57	4.96
2	2	4	49140	33.19	30.79	25.79	20.12	14.45	9.53	4.88
2	2	5	49250	33.54	30.83	25.75	20.12	14.45	9.49	4.88
3	1	1	1000	.66	.62	.53	.39	.27		
3	1	2	1000	.66	.62	.53	.39	.27		
3	1	3	1000	.66	.62	.52	.38	.27		
3	1	4	1000	.66	.62	.53	.38	.27		
3	1	5	1000	.66	.62	.52	.38	.27		
3	2	1	1000	.60	.56	.47	.34	.24		
3	2	2	1000	.60	.56	.47	.34	.24		
3	2	3	1000	.60	.56	.47	.34	.24		
3	2	4	1000	.59	.55	.46	.33	.24		
3	2	5	1000	.58	.55	.46	.33	.24		
4	1	1	25106	16.85	15.63	13.27	10.43	7.72	5.08	2.87
4	1	2	25202	16.93	15.71	13.23	10.43	7.72	5.08	2.80
4	1	3	25154	16.93	15.67	13.19	10.35	7.68	5.04	2.80
4	1	4	25297	16.93	15.55	13.19	10.35	7.68	5.00	2.76
4	1	5	25138	16.97	15.67	13.15	10.35	7.68	5.04	2.80
4	2	1	25040	16.37	15.00	12.60	9.74	7.00	4.43	2.30

4	2	2	25240	16.50	15.04	12.64	9.79	7.08	4.51	2.35
4	2	3	25104	16.33	14.83	12.48	9.66	6.92	4.39	2.22
4	2	4	25224	16.37	14.79	12.48	9.62	6.88	4.35	2.22
4	2	5	25248	16.41	14.79	12.52	9.82	6.92	4.35	2.22
5	1	1	6900	5.00	3.50	2.70	1.80			
5	1	2	6970	5.10	3.50	2.60	1.90			
5	1	3	6950	5.20	3.50	2.60	1.80			
5	1	4	7020	5.00	3.50	2.60	1.80			
5	1	5	7070	5.00	3.50	2.60	1.80			
5	2	1	6940	4.50	3.10	2.30	1.60			
5	2	2	6880	4.50	3.10	2.30	1.60			
5	2	3	6950	4.50	3.20	2.30	1.60			
5	2	4	6970	4.50	3.10	2.30	1.60			
5	2	5	6980	4.50	3.10	2.30	1.60			
6	1	1	9948	6.70	5.37	3.90	2.76	1.95		
6	1	2	10014	6.74	5.40	3.90	2.76	1.94		
6	1	3	9969	6.71	5.36	3.87	2.73	1.92		
6	1	4	10006	6.70	5.40	3.92	2.77	1.96		
6	1	5	9978	6.69	5.33	3.85	2.72	1.91		
6	2	1	9567	6.06	4.70	3.34	2.37	1.64		
6	2	2	9818	6.15	4.84	3.41	2.43	1.68		
6	2	3	10264	6.50	5.06	3.57	2.54	1.75		
6	2	4	10311	6.58	5.10	3.59	2.55	1.76		
6	2	5	9990	6.26	4.88	3.45	2.45	1.70		
7	1	1	18332	12.80	11.50	10.00	7.80	5.50	4.00	
7	1	2	18332	12.80	11.50	9.90	7.70	5.60	3.90	
7	1	3	18332	12.70	11.50	9.90	7.70	5.60	3.90	
7	1	4	18744	12.80	11.60	10.00	7.80	5.60	4.10	
7	1	5	18744	12.70	11.50	9.80	7.60	5.50	4.00	
7	1	6	18744	12.70	11.50	9.90	7.60	5.60	4.00	
7	2	1	19980	12.40	11.30	9.80	7.60	5.40	3.90	
7	2	2	19980	12.20	11.10	9.50	7.30	5.30	3.70	
7	2	3	19980	12.20	11.20	9.60	7.30	5.40	3.70	
7	2	4	19774	12.50	11.40	9.80	7.60	5.40	4.10	
7	2	5	19774	12.20	11.10	9.50	7.30	5.20	3.80	
7	2	6	19774	12.20	11.10	9.40	7.20	5.20	3.90	

SITE 8

1	1	1	13992	11.10	6.77	5.82	5.35	4.56	.29	.18
1	1	2	14269	10.90	6.85	5.74	5.35	4.48	.29	.18
1	1	3	14305	10.80	6.69	5.82	5.35	4.56	.30	.19
1	1	4	14344	10.80	6.85	5.86	5.35	4.68	.31	.19
1	1	5	14350	10.60	6.69	5.82	5.35	4.56	.31	.19
1	2	1	13921	12.30	6.96	5.62	5.15	4.37	.29	.17
1	2	2	14443	12.00	7.04	5.82	5.15	4.37	.31	.18
1	2	3	14405	11.40	7.04	5.82	5.35	4.48	.31	.18
1	2	4	14423	11.30	7.00	5.82	5.23	4.37	.29	.18
1	2	5	14391	11.20	6.96	5.74	5.23	4.48	.28	.18
1	3	1	14470	12.60	7.24	6.10	5.62	4.76	.30	.19
1	3	2	14750	12.20	7.24	6.22	5.55	4.76	.31	.19
1	3	3	14789	11.90	7.24	6.10	5.55	4.76	.32	.19
1	3	4	14807	11.90	7.24	6.29	5.55	4.68	.32	.20
1	3	5	14777	11.80	7.24	6.22	5.55	4.76	.31	.20

2	1	1	48660	37.40	26.22	20.31	14.21	8.54	6.02	3.82
2	1	2	48880	37.40	26.42	20.12	14.17	8.78	6.06	3.90
2	1	3	48910	37.36	26.57	20.12	14.25	8.74	6.10	3.82
2	1	4	48880	37.20	26.69	20.08	14.29	8.74	6.10	3.82
2	1	5	48810	37.28	26.81	20.12	14.29	8.78	6.10	3.86
2	2	1	48740	36.61	26.85	19.92	13.70	8.46	5.91	3.70
2	2	2	48700	36.73	26.89	19.80	13.66	8.46	5.91	3.74
2	2	3	48950	36.77	26.89	19.76	13.66	8.43	5.83	3.70
2	2	4	48910	36.73	26.93	19.80	13.66	8.46	5.98	3.74
2	2	5	49090	36.73	27.05	19.84	13.58	8.43	5.91	3.70
2	3	1	48410	37.24	27.76	20.28	14.88	9.21	6.38	4.02
2	3	2	48770	37.72	27.80	20.39	14.88	9.29	6.46	4.17
2	3	3	48810	36.81	27.80	20.35	14.92	9.33	6.42	4.09
2	3	4	48910	36.65	27.80	20.31	14.84	9.25	6.46	4.09
2	3	5	48880	36.85	27.83	20.31	14.88	9.33	6.50	4.09
3	1	1	1000	.35	.32	.26	.15	.10		
3	1	2	1000	.35	.32	.26	.15	.10		
3	1	3	1000	.35	.32	.26	.15	.10		
3	1	4	1000	.35	.32	.26	.15	.10		
3	1	5	1000	.35	.32	.26	.15	.10		
3	2	1	1000	.34	.32	.24	.14	.09		
3	2	2	1000	.34	.32	.24	.14	.09		
3	2	3	1000	.34	.32	.24	.13	.09		
3	2	4	1000	.34	.32	.24	.13	.09		
3	2	5	1000	.34	.32	.24	.13	.09		
3	3	1	1000	.36	.32	.25	.15	.10		
3	3	2	1000	.35	.32	.25	.15	.10		
3	3	3	1000	.35	.32	.25	.15	.10		
3	3	4	1000	.35	.32	.25	.15	.10		
3	3	5	1000	.35	.32	.25	.15	.10		
4	1	1	24947	22.76	10.43	8.15	5.35	3.39	2.20	1.57
4	1	2	25233	21.81	10.47	8.11	5.39	3.27	2.20	1.57
4	1	3	25281	21.46	10.63	8.15	5.43	3.39	2.28	1.61
4	1	4	25265	21.10	10.55	8.03	5.35	3.27	2.20	1.54
4	1	5	25265	20.98	10.63	8.07	5.35	3.31	2.20	1.54
4	2	1	25027	21.93	12.01	9.06	6.22	3.98	2.44	1.81
4	2	2	25313	21.57	11.93	8.94	6.18	3.90	2.48	1.85
4	2	3	25345	21.14	11.89	8.82	6.02	3.82	2.36	1.89
4	2	4	25297	21.06	11.85	8.78	5.98	3.82	2.40	1.97
4	2	5	25329	20.71	11.81	8.70	5.94	3.78	2.36	1.93
4	3	1	25217	22.56	12.32	8.86	6.18	3.94	2.60	1.85
4	3	2	25297	21.93	12.40	8.86	6.18	3.94	2.60	1.85
4	3	3	25281	21.42	12.24	8.78	6.10	3.82	2.48	1.85
4	3	4	25233	21.22	12.20	8.66	6.06	3.78	2.48	1.85
4	3	5	25233	21.10	12.20	8.70	6.06	3.82	2.48	1.85
5	1	1	7050	3.50	1.90	1.20	.70			
5	1	2	6970	3.50	1.90	1.20	.70			
5	1	3	6930	3.40	1.90	1.20	.70			
5	1	4	6990	3.40	1.90	1.20	.70			
5	1	5	6900	3.40	1.90	1.20	.70			
5	2	1	6830	3.40	1.90	1.20	.70			
5	2	2	6900	3.40	1.90	1.20	.70			
5	2	3	6950	3.30	1.90	1.20	.70			
5	2	4	6910	3.30	1.90	1.20	.70			

5	2	5	7050	3.30	1.90	1.20	.70		
5	3	1	6890	3.50	1.90	1.20	.80		
5	3	2	6890	3.40	1.90	1.20	.70		
5	3	3	6970	3.40	1.90	1.20	.70		
5	3	4	6980	3.40	1.90	1.20	.70		
5	3	5	7010	3.40	1.90	1.20	.70		
6	2	1	10122	4.85	4.03	2.24	1.40	.88	
6	2	2	10176	4.85	4.03	2.25	1.40	.88	
6	2	3	10147	4.84	4.02	2.24	1.40	.88	
6	2	4	9912	4.73	3.93	2.19	1.36	.86	
6	2	5	9976	4.75	3.96	2.21	1.38	.87	
6	3	1	10086	4.82	4.13	2.33	1.48	.94	
6	3	2	10073	4.77	4.10	2.30	1.47	.93	
6	3	3	10951	5.15	4.43	2.50	1.60	1.00	
6	3	4	9824	4.64	3.98	2.24	1.42	.89	
6	3	5	9701	4.56	3.93	2.23	1.43	.90	
7	1	1	19568	13.30	6.90	5.90	3.90	2.30	1.60
7	1	2	19568	12.60	6.50	5.50	3.70	2.20	1.50
7	1	3	19568	12.40	6.50	5.50	3.70	2.20	1.50
7	1	4	19156	13.70	8.00	6.20	4.30	2.60	1.90
7	1	5	19156	13.10	7.70	5.90	4.10	2.50	1.70
7	1	6	19156	12.90	7.70	5.90	4.10	2.50	1.70
7	2	1	18950	16.30	7.30	6.00	3.90	2.30	1.70
7	2	2	18950	15.00	7.20	5.80	3.80	2.40	1.60
7	2	3	18950	14.40	7.20	5.70	3.80	2.40	1.60
7	2	4	18744	14.90	7.20	5.90	3.80	2.30	1.70
7	2	5	18744	14.20	7.20	5.70	3.80	2.40	1.60
7	2	6	18744	13.90	7.20	5.80	3.80	2.40	1.60
7	3	1	18744	16.80	8.40	6.60	4.20	2.60	1.80
7	3	2	18744	15.70	8.30	6.50	4.20	2.70	1.80
7	3	3	18744	15.20	8.30	6.40	4.20	2.70	1.80
7	3	4	19053	15.80	8.40	6.60	4.30	2.60	1.90
7	3	5	19053	15.00	8.30	6.40	4.20	2.70	1.80
7	3	6	19053	14.80	8.30	6.40	4.20	2.70	1.80

SITE 9

1	1	1	13815	29.20	13.30	6.41	1.69	.82	1.53	1.45
1	1	2	14139	27.00	13.10	6.65	2.08	1.14	1.65	1.37
1	1	3	14131	26.50	12.90	6.61	2.08	1.14	1.65	1.57
1	1	4	14187	26.40	13.00	6.81	2.08	1.06	1.53	1.37
1	1	5	14234	26.50	13.00	6.69	2.28	1.14	1.65	1.45
1	2	1	14326	35.90	14.30	6.02	1.57	.82	1.77	1.37
1	2	2	14522	29.90	14.00	6.88	2.28	1.14	1.65	1.37
1	2	3	14708	29.20	14.20	7.16	2.40	1.14	1.81	1.57
1	2	4	14789	29.00	14.20	7.28	2.48	1.14	1.65	1.45
1	2	5	14812	29.00	14.30	7.36	2.48	1.14	1.65	1.37
1	3	1	14039	35.20	15.90	6.96	2.20	1.25	1.53	1.57
1	3	2	14299	29.70	14.10	6.88	2.59	1.45	1.53	1.37
1	3	3	14368	28.90	14.00	7.16	2.67	1.45	1.53	1.45
1	3	4	14452	28.70	14.00	7.08	2.75	1.45	1.77	1.45
1	3	5	14470	28.70	14.10	7.36	2.67	1.53	1.77	1.49
2	1	1	48130	61.26	24.06	5.47	5.63	5.12	4.21	3.46
2	1	2	48380	57.01	22.83	5.67	5.67	5.12	4.21	3.50

2	1	3	48270	56.89	22.72	5.67	5.67	5.08	4.21	3.50
2	1	4	48340	56.54	22.76	5.71	5.63	5.12	4.21	3.50
2	1	5	48230	56.54	22.80	5.71	5.63	5.12	4.21	3.50
2	2	1	48310	57.28	24.69	4.76	4.76	4.96	4.13	3.43
2	2	2	48230	56.85	23.82	5.12	4.96	5.00	4.17	3.43
2	2	3	48380	56.93	23.62	5.20	5.04	5.04	4.21	3.46
2	2	4	48270	57.64	23.62	5.16	5.00	5.00	4.09	3.43
2	2	5	48310	58.03	23.62	5.24	5.04	5.04	4.17	3.43
2	3	1	48230	57.44	24.84	4.92	4.72	5.00	4.17	3.39
2	3	2	47980	55.59	23.46	5.31	4.92	4.96	4.13	3.39
2	3	3	48230	56.10	23.35	5.39	4.96	4.96	4.09	3.39
2	3	4	48200	57.01	23.27	5.43	5.00	4.96	4.13	3.39
2	3	5	48340	57.28	23.27	5.43	5.04	4.96	4.13	3.39
3	1	1	1000	.55	.24	.16	.11	.11		
3	1	2	1000	.55	.24	.16	.11	.11		
3	1	3	1000	.55	.24	.16	.11	.11		
3	1	4	1000	.54	.24	.16	.11	.11		
3	1	5	1000	.54	.24	.16	.11	.11		
3	2	1	1000	.53	.23	.16	.11	.10		
3	2	2	1000	.53	.23	.16	.11	.10		
3	2	3	1000	.53	.23	.15	.11	.10		
3	2	4	1000	.52	.23	.15	.11	.10		
3	2	5	1000	.52	.23	.15	.11	.10		
3	3	1	1000	.54	.23	.15	.11	.10		
3	3	2	1000	.53	.23	.15	.11	.10		
3	3	3	1000	.53	.23	.15	.11	.10		
3	3	4	1000	.53	.23	.15	.11	.10		
3	3	5	1000	.53	.23	.15	.11	.10		
4	1	1	24439	43.43	9.69	1.42	2.68	2.36	1.89	1.77
4	1	2	24820	40.71	9.37	1.81	2.76	2.44	1.93	1.89
4	1	3	24836	40.28	9.21	1.85	2.72	2.40	1.89	1.85
4	1	4	24709	40.16	9.17	1.89	2.76	2.40	1.93	1.89
4	1	5	24725	39.88	8.98	1.81	2.68	2.28	1.81	1.73
4	2	1	24423	47.32	11.06	1.30	2.64	2.52	1.97	1.89
4	2	2	24725	42.68	10.08	1.65	2.68	2.44	1.89	1.77
4	2	3	24836	42.05	9.84	1.73	2.64	2.40	1.85	1.73
4	2	4	24757	41.73	9.72	1.73	2.64	2.36	1.85	1.73
4	2	5	24725	41.69	9.72	1.81	2.72	2.48	1.93	1.81
4	3	1	24391	48.94	12.20	1.38	2.24	2.44	2.01	1.65
4	3	2	24804	43.74	11.93	2.09	2.36	2.48	1.93	1.77
4	3	3	24804	42.91	11.81	2.09	2.40	2.40	1.93	1.73
4	3	4	24868	42.48	11.69	2.13	2.40	2.40	1.89	1.69
4	3	5	24788	42.13	11.69	2.17	2.48	2.44	1.97	1.73
5	1	1	6930	5.10	1.10	.80	.70			
5	1	2	7020	5.20	1.10	.80	.70			
5	1	3	6980	5.10	1.10	.80	.70			
5	1	4	6970	5.10	1.00	.70	.70			
5	1	5	7060	5.20	1.10	.70	.70			
5	2	1	6900	5.30	1.10	.80	.60			
5	2	2	6910	5.40	1.10	.80	.70			
5	2	3	6860	5.40	1.10	.80	.70			
5	2	4	6930	5.40	1.10	.80	.70			
5	2	5	6910	5.40	1.10	.80	.70			
5	3	1	6950	5.10	1.10	.70	.70			

5	3	2	6990	5.10	1.10	.80	.70		
5	3	3	6940	5.20	1.00	.80	.70		
5	3	4	7060	5.10	1.10	.80	.70		
5	3	5	6940	5.10	1.10	.80	.70		
6	1	1	9929	6.22	4.27	1.98	1.74	1.59	
6	1	2	10079	6.28	4.32	2.00	1.76	1.60	
6	1	3	10106	6.31	4.34	2.00	1.75	1.60	
6	1	4	10161	6.33	4.36	2.01	1.76	1.61	
6	1	5	10209	6.33	4.37	2.02	1.76	1.60	
6	2	1	10100	6.60	4.42	2.09	1.82	1.66	
6	2	2	10195	6.62	4.45	2.10	1.83	1.66	
6	2	3	10132	6.59	4.43	2.10	1.83	1.65	
6	2	4	10148	6.60	4.45	2.10	1.83	1.65	
6	2	5	10137	6.58	4.43	2.09	1.82	1.65	
6	3	1	10691	6.56	4.58	5.07	1.78	1.62	
6	3	2	9646	5.99	4.22	1.95	1.69	1.54	
6	3	3	10412	6.35	4.46	2.04	1.75	1.59	
6	3	4	9712	6.01	4.24	1.97	1.69	1.55	
6	3	5	9943	6.11	4.31	1.98	1.70	1.55	
7	1	1	18126	31.30	7.50	1.10	2.10	1.70	1.60
7	1	2	18126	28.90	7.40	1.30	2.00	1.80	1.50
7	1	3	18126	28.40	7.40	1.30	2.00	1.80	1.50
7	1	4	18126	40.30	9.60	.80	2.00	1.70	1.60
7	1	5	18126	32.20	8.30	1.00	1.90	1.70	1.50
7	1	6	18126	31.00	8.20	1.10	1.90	1.70	1.50
7	2	1	18538	38.80	7.60	.10	1.90	1.70	1.50
7	2	2	18538	32.40	7.90	.80	2.00	1.80	1.50
7	2	3	18538	31.50	7.90	.90	2.00	1.80	1.40
7	2	4	19156	34.20	8.10	.90	2.00	1.70	1.50
7	2	5	19156	31.50	8.00	1.00	2.00	1.80	1.50
7	2	6	19156	31.20	8.00	1.10	2.00	1.80	1.50
7	3	1	18744	49.90	9.10	.20	1.50	1.80	1.60
7	3	2	18744	37.00	8.50	.00	1.70	1.80	1.50
7	3	3	18744	34.90	8.60	.20	1.80	1.80	1.50
7	3	4	18744	37.60	8.90	.20	1.90	1.80	1.60
7	3	5	18744	34.10	8.50	.40	1.80	1.80	1.50
7	3	6	18744	33.50	8.50	.50	1.80	1.80	1.50

SITE 10

1	1	1	13663	7.00	6.37	6.10	5.55	5.07	4.05	2.87
1	1	2	13984	7.20	6.57	6.22	5.62	5.07	3.97	2.87
1	1	3	13994	7.08	6.61	6.29	5.62	5.19	4.05	2.99
1	1	4	14061	7.24	6.69	6.29	5.74	5.27	4.17	2.87
1	1	5	14084	7.20	6.69	6.22	5.62	5.27	3.85	2.99
1	2	1	13941	7.71	6.96	6.81	6.02	5.47	4.29	3.07
1	2	2	14287	7.91	7.16	6.88	6.18	5.59	4.37	3.07
1	2	3	14322	7.79	7.04	6.81	6.02	5.66	4.33	3.07
1	2	4	14328	7.91	7.16	6.88	6.18	5.66	4.37	3.07
1	2	5	14360	7.79	7.16	6.88	6.14	5.74	4.37	3.07
2	1	1	49920	26.42	23.90	19.92	15.79	11.65	8.54	6.02
2	1	2	49950	26.34	24.17	20.04	15.79	11.73	8.54	5.94
2	1	3	49990	26.30	24.21	19.76	15.87	11.54	8.50	6.02
2	1	4	49870	26.38	24.33	20.00	15.75	11.57	8.54	6.02

2	1	5	50110	26.42	24.17	20.12	15.67	11.57	8.62	6.02
2	2	1	49670	26.14	23.90	20.00	15.87	11.85	8.74	6.18
2	2	2	49340	26.38	24.06	20.16	15.91	11.97	8.78	6.26
2	2	3	49410	26.42	24.17	20.20	15.94	12.01	8.86	6.34
2	2	4	49380	26.57	24.21	20.24	15.98	12.01	8.82	6.30
2	2	5	49560	26.61	24.21	20.28	16.02	12.05	8.86	6.34
3	1	1	1000	.40	.37	.31	.22	.15		
3	1	2	1000	.40	.37	.31	.22	.15		
3	1	3	1000	.39	.37	.31	.22	.15		
3	1	4	1000	.39	.37	.31	.21	.15		
3	1	5	1000	.40	.37	.31	.21	.15		
3	2	1	1000	.49	.45	.37	.26	.18		
3	2	2	1000	.49	.45	.37	.25	.18		
3	2	3	1000	.49	.45	.37	.25	.18		
3	2	4	1000	.48	.45	.37	.25	.17		
3	2	5	1000	.48	.45	.37	.25	.17		
4	1	1	25217	11.85	10.43	8.70	6.81	5.08	3.58	2.80
4	1	2	25392	11.85	10.39	8.70	6.81	5.04	3.58	2.80
4	1	3	25313	11.85	10.31	8.66	6.77	5.08	3.58	2.68
4	1	4	25360	11.81	10.28	8.62	6.73	5.04	3.54	2.64
4	1	5	25360	11.73	10.28	8.58	6.69	5.00	3.50	2.68
4	2	1	24836	14.76	12.95	10.79	8.46	6.26	4.37	3.27
4	2	2	25090	14.80	12.91	10.79	8.39	6.26	4.33	3.35
4	2	3	25074	14.80	12.99	10.75	8.39	6.26	4.33	3.39
4	2	4	25059	14.69	12.76	10.63	8.31	6.06	4.25	3.15
4	2	5	25059	14.72	12.80	10.63	8.31	6.06	4.25	3.07
5	1	1	7090	3.90	2.90	2.20	1.60			
5	1	2	7020	3.90	2.90	2.20	1.60			
5	1	3	7070	3.80	2.90	2.20	1.60			
5	1	4	7060	3.90	2.90	2.20	1.60			
5	1	5	7090	3.90	2.90	2.20	1.60			
5	2	1	7070	4.10	2.90	2.20	1.60			
5	2	2	7030	4.20	2.90	2.20	1.60			
5	2	3	7170	4.10	2.90	2.20	1.60			
5	2	4	7090	4.20	2.90	2.20	1.60			
5	2	5	7090	4.10	2.90	2.20	1.60			
6	1	1	10107	4.07	3.64	2.48	1.73	1.26		
6	1	2	10031	4.03	3.60	2.46	1.72	1.24		
6	1	3	10195	4.11	3.67	2.49	1.74	1.27		
6	1	4	10077	4.06	3.62	2.47	1.73	1.25		
6	1	5	9993	4.00	3.58	2.43	1.70	1.23		
6	2	1	10455	4.64	4.04	2.71	1.95	1.38		
6	2	2	9475	4.13	3.59	2.40	1.72	1.20		
6	2	3	10355	4.53	3.94	2.64	1.89	1.33		
6	2	4	10152	4.45	3.86	2.58	1.85	1.30		
6	2	5	10376	4.55	3.96	2.66	1.90	1.34		
7	1	1	19568	9.40	8.10	6.70	5.20	3.70	3.00	
7	1	2	19568	9.10	8.00	6.50	5.00	3.70	2.80	
7	1	3	19568	9.10	7.90	6.50	5.00	3.70	2.80	
7	1	4	19362	9.20	8.00	6.60	5.10	3.70	2.80	
7	1	5	19362	9.10	7.90	6.50	5.00	3.70	2.80	
7	1	6	19362	9.00	7.80	6.40	5.00	3.70	2.80	
7	2	1	19568	10.60	8.90	7.50	5.80	4.20	3.10	
7	2	2	19568	10.20	8.70	7.20	5.60	4.10	3.00	

7	2	3	19568	10.10	8.50	7.20	5.50	4.00	3.00
7	2	4	19156	10.40	8.70	7.30	5.60	4.10	3.10
7	2	5	19156	10.10	8.60	7.10	5.50	4.00	3.00
7	2	6	19126	10.00	8.50	7.10	5.40	4.00	3.00

SITE 11

1	1	1	14522	2.04	1.88	1.88	1.85	1.85	1.77	1.65
1	1	2	14809	2.16	2.00	1.88	1.92	1.77	1.65	1.65
1	1	3	14771	2.16	1.88	2.00	1.85	1.77	1.69	1.45
1	1	4	14827	2.16	2.00	1.88	1.73	1.85	1.77	1.65
1	1	5	14756	2.24	2.08	2.08	1.85	1.85	1.77	1.65
1	2	1	14138	2.20	1.88	1.88	1.73	1.65	1.53	1.57
1	2	2	14539	1.96	1.88	2.00	1.73	1.81	1.77	1.65
1	2	3	14615	2.16	2.04	2.00	1.73	1.77	1.77	1.45
1	2	4	14615	2.24	2.00	2.00	1.85	1.77	1.65	1.57
1	2	5	14604	2.04	1.88	2.00	1.85	1.77	1.65	1.45
1	3	1	14468	2.16	1.85	1.81	1.85	1.77	1.65	1.57
1	3	2	14822	2.24	2.00	2.00	1.73	1.77	1.77	1.65
1	3	3	14836	2.24	1.88	2.08	1.85	1.85	1.65	1.65
1	3	4	14824	2.16	2.00	2.00	1.92	1.85	1.77	1.65
1	3	5	14913	2.24	2.00	2.00	1.73	1.77	1.77	1.57
2	1	1	50990	6.73	6.38	6.06	5.75	5.24	4.84	4.37
2	1	2	51130	6.73	6.34	6.06	5.71	5.24	4.84	4.37
2	1	3	50880	6.69	6.34	6.02	5.71	5.24	4.80	4.37
2	1	4	51130	6.69	6.34	6.02	5.71	5.24	4.84	4.41
2	1	5	50850	6.65	6.34	6.02	5.75	5.24	4.84	4.37
2	2	1	50590	6.69	6.26	6.02	5.67	5.28	4.88	4.49
2	2	2	50420	6.54	6.34	6.02	5.71	5.24	4.88	4.45
2	2	3	50240	6.54	6.34	6.06	5.71	5.28	4.88	4.49
2	2	4	50170	6.50	6.34	6.06	5.71	5.28	4.92	4.41
2	2	5	50200	6.57	6.30	6.06	5.71	5.28	4.88	4.45
2	3	1	50810	6.85	6.42	6.10	5.75	5.35	4.92	4.37
2	3	2	50670	6.65	6.38	6.10	5.71	5.31	4.92	4.49
2	3	3	50670	6.73	6.38	6.10	5.71	5.31	4.92	4.49
2	3	4	50810	6.57	6.38	6.10	5.71	5.31	4.92	4.45
2	3	5	50850	6.69	6.38	6.06	5.71	5.31	4.92	4.49
3	1	1	1000	.16	.15	.16	.13	.13		
3	1	2	1000	.16	.15	.16	.13	.13		
3	1	3	1000	.15	.15	.16	.13	.14		
3	1	4	1000	.15	.15	.16	.13	.13		
3	1	5	1000	.15	.15	.16	.13	.13		
3	2	1	1000	.16	.15	.16	.13	.14		
3	2	2	1000	.16	.15	.16	.13	.14		
3	2	3	1000	.16	.15	.16	.13	.14		
3	2	4	1000	.16	.15	.16	.13	.14		
3	2	5	1000	.16	.15	.16	.13	.14		
3	3	1	1000	.15	.15	.16	.13	.13		
3	3	2	1000	.15	.15	.16	.13	.13		
3	3	3	1000	.15	.15	.16	.13	.13		
3	3	4	1000	.15	.15	.16	.13	.13		
3	3	5	1000	.15	.15	.16	.13	.13		
4	1	1	25504	3.25	2.86	2.88	2.62	2.55	2.29	2.14
4	1	2	25544	3.13	2.86	2.84	2.54	2.44	2.22	2.10

4	1	3	25632	3.21	2.90	2.88	2.58	2.48	2.22	2.18
4	1	4	25576	3.17	2.90	2.84	2.58	2.44	2.18	2.14
4	1	5	25608	3.17	2.86	2.80	2.54	2.44	2.18	2.10
4	2	1	25615	3.23	2.87	2.83	2.68	2.68	2.32	2.20
4	2	2	25726	3.11	2.95	2.87	2.64	2.60	2.24	2.17
4	2	3	25742	3.15	2.95	2.87	2.64	2.56	2.24	2.17
4	2	4	25694	3.11	2.91	2.83	2.64	2.48	2.20	2.09
4	2	5	25631	3.23	2.99	2.91	2.68	2.60	2.28	2.20
4	3	1	25615	3.07	2.95	2.83	2.83	2.64	2.24	2.24
4	3	2	25774	3.23	2.99	2.87	2.80	2.64	2.28	2.36
4	3	3	25885	3.07	2.95	2.83	2.72	2.56	2.20	2.32
4	3	4	25885	3.11	2.95	2.87	2.80	2.64	2.24	2.36
4	3	5	25805	3.07	2.91	2.83	2.72	2.56	2.17	2.24
5	1	1	6990	1.30	.70	.60	.60			
5	1	2	7070	1.30	.80	.60	.60			
5	1	3	7070	1.30	.70	.60	.60			
5	1	4	7070	1.30	.70	.70	.60			
5	1	5	7090	1.30	.80	.70	.60			
5	2	1	6810	2.10	1.00	.90	.90			
5	2	2	6920	2.10	1.00	.90	.90			
5	2	3	7040	2.10	1.00	.90	.90			
5	2	4	6960	2.00	1.00	.90	.90			
5	2	5	6960	2.10	1.00	.90	.90			
5	3	1	6970	1.70	.90	.80	.80			
5	3	2	7030	1.70	.90	.90	.80			
5	3	3	6930	1.80	.90	.80	.80			
5	3	4	7020	1.70	.90	.80	.80			
5	3	5	7080	1.70	1.00	.90	.80			
6	1	1	9879	1.92	1.34	1.29	1.18	1.13		
6	1	2	10161	1.95	1.37	1.31	1.20	1.15		
6	1	3	9942	1.92	1.35	1.29	1.18	1.13		
6	1	4	10269	1.98	1.40	1.33	1.22	1.16		
6	1	5	9958	1.91	1.34	1.28	1.18	1.13		
6	2	1	10083	1.63	1.32	1.25	1.15	1.10		
6	2	2	10163	1.66	1.33	1.27	1.17	1.12		
6	2	3	10087	1.64	1.31	1.26	1.17	1.11		
6	2	4	10521	1.73	1.40	1.33	1.22	1.16		
6	2	5	9628	1.58	1.27	1.22	1.12	1.07		
6	3	1	9934	1.62	1.22	1.23	1.15	1.08		
6	3	2	10411	1.69	1.28	1.30	1.21	1.14		
6	3	3	10147	1.65	1.24	1.25	1.17	1.09		
6	3	4	10152	1.65	1.24	1.25	1.17	1.10		
6	3	5	9475	1.56	1.18	1.18	1.11	1.04		
7	1	1	19362	2.60	2.20	2.00	2.00	1.90	1.80	
7	1	2	19362	2.50	2.20	1.90	2.00	1.90	1.70	
7	1	3	19362	2.50	2.20	1.90	2.00	1.90	1.70	
7	1	4	19156	2.40	2.20	2.00	2.00	1.90	1.80	
7	1	5	19156	2.40	2.20	1.90	2.00	1.90	1.70	
7	1	6	19156	2.40	2.20	1.90	2.00	1.90	1.70	
7	2	1	18950	3.00	2.90	2.60	2.00	1.90	1.80	
7	2	2	18950	2.40	2.20	1.90	1.90	1.90	1.70	
7	2	3	18950	2.50	2.20	1.90	2.00	1.90	1.70	
7	2	4	18950	2.40	2.20	2.00	2.00	1.90	1.80	
7	2	5	18950	2.40	2.20	1.90	2.00	1.90	1.70	

7	2	6	18950	2.40	2.20	1.90	2.00	1.90	1.70
7	3	1	19980	2.60	2.30	2.10	2.10	1.90	1.90
7	3	2	19980	2.60	2.40	2.00	2.10	2.00	1.90
7	3	3	19980	2.60	2.40	2.00	2.10	2.00	1.90
7	3	4	19980	2.60	2.30	2.10	2.10	1.90	1.90
7	3	5	19980	2.60	2.30	2.00	2.10	2.00	1.90
7	3	6	19980	2.60	2.30	2.00	2.10	1.90	1.90

SITE 12

1	1	1	13967	23.70	17.90	14.60	10.50	7.79	4.52	3.18
1	1	2	14328	22.50	17.10	14.00	10.10	7.71	4.52	3.18
1	1	3	14309	22.30	17.00	14.00	10.20	7.59	4.52	3.18
1	1	4	14350	22.10	16.90	13.90	10.10	7.63	4.52	3.18
1	1	5	14364	22.20	17.00	14.00	10.10	7.71	4.52	3.18
1	2	1	13804	28.80	22.10	18.10	12.50	8.89	4.72	3.14
1	2	2	14139	27.10	20.90	17.30	12.00	8.70	4.72	3.18
1	2	3	14181	27.10	20.90	17.30	12.00	8.77	4.76	3.18
1	2	4	14187	26.90	20.80	17.30	12.00	8.70	4.64	3.18
1	2	5	14187	26.80	20.80	17.20	12.10	8.62	4.84	3.18
1	3	1	13864	32.00	23.50	18.50	12.40	8.62	4.52	3.14
1	3	2	14197	29.80	22.00	17.40	12.00	8.30	4.40	3.14
1	3	3	14238	29.60	22.00	17.40	11.80	8.42	4.52	3.14
1	3	4	14267	29.40	22.00	17.40	11.80	8.30	4.33	3.14
1	3	5	14297	29.40	22.00	17.50	11.80	8.42	4.40	3.18
2	1	1	47980	76.54	54.02	31.69	18.98	12.13	9.29	7.60
2	1	2	48060	77.13	54.21	32.17	19.33	12.32	9.45	7.72
2	1	3	48060	77.32	54.61	32.48	19.37	12.36	9.53	7.76
2	1	4	47980	77.76	54.96	32.60	19.49	12.40	9.45	7.68
2	1	5	47980	77.64	55.28	32.76	19.49	12.44	9.53	7.72
2	2	1	47520	81.26	58.03	33.58	19.53	12.40	9.57	7.87
2	2	2	47590	80.00	58.03	33.90	19.76	12.48	9.49	7.87
2	2	3	47590	81.18	58.39	34.06	19.76	12.48	9.61	7.87
2	2	4	47480	81.26	58.58	34.17	19.76	12.48	9.53	7.83
2	2	5	47630	81.54	58.94	34.17	19.80	12.48	9.53	7.83
2	3	1	47090	84.45	58.82	32.56	18.66	12.20	9.61	7.95
2	3	2	47340	82.72	58.82	32.91	18.86	12.24	9.61	7.91
2	3	3	47480	82.87	59.06	33.15	18.90	12.32	9.69	7.95
2	3	4	47380	82.72	59.33	33.23	18.98	12.36	9.69	7.95
2	3	5	47340	83.07	59.41	33.31	18.98	12.36	9.69	7.95
3	1	1	1000	.99	.77	.53	.35	.28		
3	1	2	1000	.99	.77	.53	.34	.27		
3	1	3	1000	.98	.75	.52	.34	.27		
3	1	4	1000	.99	.76	.53	.35	.28		
3	1	5	1000	.97	.75	.52	.34	.27		
3	2	1	1000	1.04	.78	.52	.34	.26		
3	2	2	1000	1.04	.78	.52	.33	.27		
3	2	3	1000	1.03	.78	.52	.33	.26		
3	2	4	1000	1.03	.77	.52	.33	.26		
3	2	5	1000	1.03	.78	.51	.33	.26		
3	3	1	1000	1.11	.84	.54	.35	.27		
3	3	2	1000	1.11	.83	.54	.35	.27		
3	3	3	1000	1.10	.83	.54	.35	.27		
3	3	4	1000	1.10	.82	.53	.35	.27		

3	3	5	1000	1.09	.82	.54	.35	.27		
4	1	1	24741	38.94	23.78	13.23	7.95	5.35	4.17	3.58
4	1	2	24884	38.35	23.43	13.19	7.95	5.43	4.06	3.78
4	1	3	25059	38.50	23.35	13.15	7.95	5.43	4.02	3.90
4	1	4	24773	38.66	23.31	13.15	7.95	5.35	4.06	3.86
4	1	5	24820	38.74	23.27	13.11	7.91	5.31	4.02	3.82
4	2	1	24598	46.65	29.41	15.28	8.43	5.59	4.29	3.78
4	2	2	24804	46.02	28.78	15.04	8.31	5.51	4.25	3.66
4	2	3	24677	45.83	28.58	14.96	8.27	5.43	4.21	3.70
4	2	4	24773	45.79	28.43	14.88	8.27	5.43	4.17	3.78
4	2	5	24693	45.71	28.39	14.84	8.27	5.43	4.17	3.74
4	3	1	24486	50.63	30.35	15.16	8.19	5.55	4.37	3.70
4	3	2	24741	49.88	29.92	15.20	8.43	5.63	4.25	3.90
4	3	3	24598	49.84	29.65	15.00	8.31	5.51	4.25	3.86
4	3	4	24566	49.72	29.53	14.96	8.27	5.55	4.21	3.82
4	3	5	24518	49.65	29.45	14.88	8.23	5.51	4.21	3.78
5	1	1	7000	7.90	3.90	2.30	1.70			
5	1	2	6960	7.70	3.80	2.30	1.60			
5	1	3	6870	7.80	3.90	2.30	1.60			
5	2	1	7040	8.40	4.00	2.20	1.50			
5	2	2	7010	8.40	4.00	2.20	1.50			
5	2	3	7000	8.30	4.00	2.20	1.50			
5	2	4	7080	8.40	4.10	2.20	1.50			
5	3	1	6920	9.40	4.50	2.50	1.70			
5	3	2	6890	9.40	4.50	2.50	1.70			
5	3	3	6900	9.40	4.50	2.40	1.70			
5	3	4	6960	9.50	4.50	2.50	1.70			
6	1	1	10110	10.19	8.41	4.44	3.18	2.57		
6	1	2	9995	10.13	8.42	4.42	3.15	2.54		
6	1	3	10104	10.21	8.54	4.46	3.18	2.57		
6	1	4	10179	10.28	8.63	4.51	3.21	2.59		
6	1	5	10120	10.20	8.57	4.46	3.18	2.57		
6	2	1	9978	11.31	9.97	5.14	3.18	2.63		
6	2	2	9622	10.85	9.58	4.93	3.06	2.56		
6	2	3	9979	11.28	9.95	5.12	3.18	2.65		
6	2	4	9978	11.23	9.94	5.10	3.17	2.62		
6	2	5	10043	11.28	9.96	5.12	3.18	2.65		
6	3	1	10044	11.51	9.78	4.55	3.30	2.63		
6	3	2	10068	11.54	9.85	4.56	3.30	2.63		
6	3	3	10174	11.64	9.93	4.59	3.32	2.63		
6	3	4	10146	11.59	9.94	4.58	3.32	2.63		
6	3	5	10112	11.57	9.90	4.57	3.31	2.62		
7	1	1	19568	35.70	22.50	12.70	7.00	4.60	3.50	
7	1	2	19568	31.50	20.30	11.70	6.60	4.40	3.40	
7	1	3	19568	30.80	20.10	11.70	6.50	4.30	3.40	
7	1	4	19362	32.40	20.80	11.90	6.60	4.40	3.70	
7	1	5	19362	30.70	20.00	11.50	6.50	4.30	3.70	
7	1	6	19362	30.40	20.00	11.50	6.50	4.30	3.60	
7	2	1	19156	41.90	26.90	14.20	7.20	4.50	3.70	
7	2	2	19156	36.80	23.90	12.80	6.70	4.40	3.50	
7	2	3	19156	36.00	23.50	12.70	6.70	4.30	3.50	
7	2	4	19156	37.70	24.10	12.80	6.70	4.30	3.50	
7	2	5	19156	35.90	23.30	12.50	6.60	4.30	3.40	
7	2	6	19156	35.50	23.10	12.50	6.50	4.30	3.40	

7	3	1	19362	47.50	27.00	14.00	7.40	4.60	3.80
7	3	2	19362	40.00	24.40	13.10	6.90	4.40	3.50
7	3	3	19362	39.00	24.30	13.00	6.90	4.40	3.50
7	3	4	18744	40.60	25.00	13.10	6.90	4.40	3.60
7	3	5	18744	38.70	24.40	13.00	6.90	4.40	3.50
7	3	6	18744	38.20	24.30	13.00	6.80	4.40	3.50

APPENDIX H: JOINT TEST DATA

JOINT TEST DATA

DEVICE	JOINT TYPE	TEST II	LOAD LB	LOADED SLAB	UNLOADED SLAB	JOINT EFFICIENCY PCT
SITE 1						
1	1	6	10272	2.87	2.32	80.8
1	1	6	10260	2.75	2.44	88.7
1	1	6	14457	3.58	3.03	84.6
1	1	6	14510	3.38	3.11	92.0
1	3	6	10201	3.58	3.11	86.9
1	3	6	10284	3.46	2.91	84.1
1	3	6	14487	4.29	3.97	92.5
1	3	6	14531	4.37	3.85	88.1
1	3	5	10219	3.97	3.11	78.3
1	3	5	10284	3.66	3.11	85.0
1	3	5	14608	4.56	3.85	84.4
1	3	5	14697	4.56	4.05	88.8
1	3	4	10260	3.97	3.50	88.2
1	3	4	10325	3.77	3.30	87.5
1	3	4	14657	4.88	4.52	92.6
1	3	4	14714	4.88	4.44	91.0
1	1	3	10219	2.75	2.32	84.4
1	1	3	10314	2.75	2.32	84.4
1	1	3	14693	3.14	3.03	96.5
1	1	3	14736	3.42	3.11	90.9
1	1	2	10314	3.26	2.63	80.7
1	1	2	10319	3.14	2.63	83.8
1	1	2	14838	3.97	3.58	90.2
1	1	2	14835	3.85	3.58	93.0
1	1	1	10195	2.87	2.44	85.0
1	1	1	10308	2.75	2.44	88.7
1	1	1	14882	3.46	3.30	95.4
1	1	1	14876	3.26	3.18	97.5
1	1	5	10202	2.55	2.16	84.7
1	1	5	10290	2.59	2.32	89.6
1	1	5	14844	3.22	3.11	96.6
1	1	5	14856	3.14	3.11	99.0
1	1	4	10255	2.75	2.32	84.4
1	1	4	10279	2.55	2.48	97.3
1	1	4	14883	3.26	3.30	101.2
1	1	4	14986	3.46	3.38	97.7
1	2	6	10243	2.44	1.96	80.3
1	2	6	10367	2.24	1.77	79.0
1	2	6	15089	2.87	2.48	86.4
1	2	6	15113	2.67	2.44	91.4
1	2	5	10184	3.07	2.51	81.8
1	2	5	10302	2.95	2.51	85.1
1	2	5	14984	3.58	3.38	94.4
1	2	5	15030	3.66	3.38	92.3
1	2	4	10266	2.87	2.63	91.6
1	2	4	10373	3.07	2.51	81.8

1	2	4	15018	3.62	3.38	93.4
1	2	4	15036	3.66	3.50	95.6
1	2	3	10290	2.95	2.63	89.2
1	2	3	10319	2.95	2.51	85.1
1	2	3	14974	3.38	3.38	100.0
1	2	3	15044	3.66	3.38	92.3
1	2	2	10225	3.07	2.51	81.8
1	2	2	10349	2.87	2.44	85.0
1	2	2	14901	3.85	3.18	82.6
1	2	2	15018	3.77	3.18	84.4
1	2	1	10220	2.24	2.04	91.1
1	2	1	10308	2.16	1.85	85.6
1	2	1	15012	2.67	2.71	101.5
1	2	1	15045	2.55	2.51	98.4
1	3	3	10272	2.67	2.32	86.9
1	3	3	10361	2.67	2.28	85.4
1	3	3	14931	3.38	3.03	89.6
1	3	3	15069	3.46	3.18	91.9
1	3	2	10260	2.59	2.32	89.6
1	3	2	10314	2.75	2.24	81.5
1	3	2	14977	3.38	2.95	87.3
1	3	2	14986	3.30	3.03	91.8
1	3	1	10237	2.51	2.24	89.2
1	3	1	10346	2.67	2.16	80.9
1	3	1	15000	3.22	2.91	90.4
1	3	1	15084	3.38	3.03	89.6
2	1	1	25890	4.72	5.20	110.2
2	1	1	25600	4.09	5.20	127.1
2	1	1	50920	10.71	10.39	97.0
2	1	1	51250	10.67	10.39	97.4
2	1	2	26080	5.35	5.63	105.2
2	1	2	25620	5.28	5.63	106.6
2	1	2	50330	11.73	11.89	101.4
2	1	2	50840	11.61	11.18	96.3
2	1	3	26170	5.12	5.12	100.0
2	1	3	25600	4.84	4.96	102.5
2	1	3	51190	10.47	10.31	98.5
2	1	3	51580	10.08	10.00	99.2
2	1	4	26730	4.53	5.24	115.7
2	1	4	25090	4.84	5.12	105.8
2	1	4	50810	10.43	10.39	99.6
2	1	4	50340	10.71	10.43	97.4
2	1	5	25360	4.72	4.96	105.1
2	1	5	25160	4.76	4.76	100.0
2	1	5	50650	10.08	9.92	98.4
2	1	5	50770	9.65	9.80	101.6
2	1	6	25740	5.12	5.04	98.4
2	1	6	25320	5.08	4.96	97.6
2	1	6	50610	10.35	9.88	95.5
2	1	6	50810	10.75	9.80	91.2
2	2	1	25540	4.02	3.98	99.0
2	2	1	25350	4.09	3.98	97.3
2	2	1	50440	8.54	8.11	95.0
2	2	1	50770	8.58	8.03	93.6

2	2	2	25360	5.79	5.43	93.8
2	2	2	25110	5.59	5.31	95.0
2	2	2	50900	11.69	10.87	93.0
2	2	2	50920	11.50	10.71	93.1
2	2	3	25550	5.28	5.43	102.8
2	2	3	25300	4.80	5.31	110.6
2	2	3	51080	11.57	10.98	94.9
2	2	3	50810	11.10	10.75	96.8
2	2	4	26460	4.41	5.47	124.0
2	2	4	26300	4.88	5.24	107.4
2	2	4	50730	10.39	10.71	103.1
2	2	4	50920	10.31	10.43	101.2
2	2	5	25440	5.79	6.06	104.7
2	2	5	24820	5.75	5.20	90.4
2	2	5	50010	10.63	10.91	102.6
2	2	5	50380	10.83	10.67	98.5
2	2	6	25630	4.02	3.82	95.0
2	2	6	25360	3.78	3.78	100.0
2	2	6	50070	9.06	7.76	85.7
2	2	6	50090	8.27	7.60	91.9
2	3	1	25010	4.76	4.92	103.4
2	3	1	25460	4.80	5.00	104.2
2	3	1	50740	10.31	10.12	98.2
2	3	1	50650	10.24	9.65	94.2
2	3	2	26030	5.00	5.00	100.0
2	3	2	25760	4.49	4.88	108.7
2	3	2	51330	10.87	10.71	98.5
2	3	2	51380	10.20	9.92	97.3
2	3	3	25140	4.33	4.88	112.7
2	3	3	25330	3.82	4.69	122.8
2	3	3	51740	9.09	9.96	109.6
2	3	3	51460	9.29	9.57	103.0
2	3	4	25170	6.81	6.61	97.1
2	3	4	25540	6.14	6.34	103.3
2	3	4	50730	13.23	13.19	99.7
2	3	4	51160	13.50	12.91	95.6
2	3	5	24950	6.42	5.98	93.1
2	3	5	24430	5.94	5.83	98.1
2	3	5	50010	13.50	12.17	90.1
2	3	5	50200	13.23	11.77	89.0
2	3	6	24380	6.30	6.34	100.6
2	3	6	24950	6.10	6.06	99.3
2	3	6	51040	13.11	12.80	97.6
2	3	6	51170	12.76	12.28	96.2
3	1	1	1000	.28	.27	96.4
3	1	2	1000	.31	.30	96.8
3	1	3	1000	.27	.26	96.3
3	1	4	1000	.24	.23	95.8
3	1	5	1000	.25	.25	100.0
3	1	6	1000	.25	.24	96.0
3	2	1	1000	.24	.23	95.8
3	2	2	1000	.31	.29	93.5
3	2	3	1000	.29	.28	96.6
3	2	4	1000	.30	.28	93.3

3	2	5	1000	.34	.33	97.1
3	2	6	1000	.22	.21	95.5
3	3	1	1000	.29	.27	93.1
3	3	2	1000	.28	.27	96.4
3	3	3	1000	.27	.26	96.3
3	3	4	1000	.39	.37	94.9
3	3	5	1000	.35	.32	91.4
3	3	6	1000	.40	.36	90.0
4	1	1	9677	2.01	1.77	88.1
4	1	1	9756	2.09	1.81	86.6
4	1	1	14476	3.07	2.76	89.9
4	1	1	24931	5.16	4.49	87.0
4	1	2	9884	2.56	2.44	95.3
4	1	2	9820	2.52	2.40	95.2
4	1	2	14508	3.82	3.39	88.7
4	1	2	25186	6.34	5.75	90.7
4	1	3	9852	2.01	1.65	82.1
4	1	3	9788	1.97	1.77	89.8
4	1	3	14508	2.91	2.60	89.3
4	1	3	25043	4.92	4.29	87.2
4	1	4	10249	1.97	1.69	85.8
4	1	4	10170	1.97	1.73	87.8
4	1	4	14444	2.95	2.56	86.8
4	1	4	25106	4.92	4.25	86.4
4	1	5	9677	2.28	2.13	93.4
4	1	5	9598	2.36	2.17	91.9
4	1	5	14492	3.35	2.99	89.3
4	1	5	24868	5.31	4.65	87.6
4	1	6	9804	1.81	1.73	95.6
4	1	6	9788	1.81	1.73	95.6
4	1	6	14508	2.87	2.64	92.0
4	1	6	25313	4.76	4.29	90.1
4	2	1	9852	1.69	1.73	102.4
4	2	1	9788	1.65	1.77	107.3
4	2	1	14444	2.68	2.48	92.5
4	2	1	25615	4.53	4.09	90.3
4	2	2	9804	2.48	2.44	98.4
4	2	2	9693	2.44	2.40	98.4
4	2	2	14317	3.86	3.58	92.7
4	2	2	25345	6.30	5.79	91.9
4	2	3	9550	2.60	2.40	92.3
4	2	3	9582	2.52	2.36	93.7
4	2	3	14555	3.86	3.58	92.7
4	2	3	24979	6.34	5.79	91.3
4	2	4	9756	2.44	2.44	100.0
4	2	4	9677	2.36	2.40	101.7
4	2	4	14380	3.62	3.31	91.4
4	2	4	24852	7.24	5.63	77.8
4	2	5	10551	2.20	2.28	103.6
4	2	5	10456	2.40	2.36	98.3
4	2	5	14539	3.58	3.31	92.5
4	2	5	25885	6.30	5.63	89.4
4	2	6	9661	1.69	1.42	84.0
4	2	6	9566	1.65	1.46	88.5

4	2	6	14460	2.72	2.13	78.3
4	2	6	25059	4.65	3.50	75.3
4	3	1	9709	2.36	2.13	90.3
4	3	1	9804	2.40	2.17	90.4
4	3	1	14412	3.58	3.11	86.9
4	3	1	25329	6.14	5.16	84.0
4	3	2	9884	2.32	2.09	90.1
4	3	2	9804	2.24	2.09	93.3
4	3	2	14428	3.46	3.15	91.0
4	3	2	25043	5.87	5.28	89.9
4	3	3	10074	2.05	1.97	96.1
4	3	3	10027	2.05	2.01	98.0
4	3	3	14476	3.31	3.11	94.0
4	3	3	25297	5.43	5.24	96.5
4	3	4	10106	3.35	3.15	94.0
4	3	4	10027	3.39	3.15	92.9
4	3	4	14428	4.96	4.61	92.9
4	3	4	24645	8.35	7.76	92.9
4	3	5	9756	3.43	3.07	89.5
4	3	5	9693	3.35	3.03	90.4
4	3	5	14476	5.00	4.41	88.2
4	3	5	25329	8.66	7.48	86.4
4	3	6	9868	3.11	2.80	90.0
4	3	6	9772	3.15	2.91	92.4
4	3	6	14428	4.92	4.37	88.8
4	3	6	25154	8.23	6.97	84.7
5	2	6	4930	1.60	.40	25.0
5	2	6	4960	1.60	.40	25.0
5	2	6	4910	1.60	.40	25.0
5	2	6	6770	2.20	.50	22.7
5	2	6	6770	2.20	.50	22.7
5	2	6	6710	2.20	.50	22.7
5	2	5	4920	1.70	.50	29.4
5	2	5	4960	1.70	.50	29.4
5	2	5	4910	1.70	.50	29.4
5	2	5	6790	2.20	.50	22.7
5	2	5	6750	2.30	.80	34.8
5	2	5	6790	2.30	.80	34.8
5	2	4	4940	1.30	.50	38.5
5	2	4	5020	1.40	.50	35.7
5	2	4	5040	1.40	.50	35.7
5	2	4	6920	1.90	.70	36.8
5	2	4	6820	1.90	.70	36.8
5	2	4	6780	1.90	.70	36.8
5	2	3	4880	.90	.50	55.6
5	2	3	4910	.90	.60	66.7
5	2	3	4970	.90	.60	66.7
5	2	3	6780	1.40	.80	57.1
5	2	3	6790	1.30	.80	61.5
5	2	3	6860	1.30	.80	61.5
5	2	2	4940	.90	.60	66.7
5	2	2	4970	.90	.60	66.7
5	2	2	4930	.90	.60	66.7
5	2	2	6790	1.30	.80	61.5

5	2	2	6800	1.30	.80	61.5
5	2	2	6840	1.30	.80	61.5
5	2	1	4980	1.00	.40	40.0
5	2	1	4970	1.00	.40	40.0
5	2	1	5020	.90	.40	44.4
5	2	1	6820	1.40	.60	42.9
5	2	1	6800	1.30	.60	46.2
5	2	1	6870	1.40	.60	42.9
5	1	6	4810	.70	.40	57.1
5	1	6	4870	.80	.40	50.0
5	1	6	4800	.80	.40	50.0
5	1	6	7100	1.10	.60	54.5
5	1	6	7110	1.10	.60	54.5
5	1	6	7130	1.10	.60	54.5
5	1	5	4950	.80	.50	62.5
5	1	5	5030	.80	.50	62.5
5	1	5	4930	.80	.50	62.5
5	1	5	6850	1.10	.80	72.7
5	1	5	6800	1.20	.70	58.3
5	1	5	6820	1.10	.70	63.6
5	1	4	4940	1.10	.50	45.5
5	1	4	4980	1.10	.50	45.5
5	1	4	4990	1.10	.50	45.5
5	1	4	6800	1.30	.60	46.2
5	1	4	6810	1.30	.70	53.8
5	1	4	6770	1.30	.70	53.8
5	1	3	4990	.90	.50	55.6
5	1	3	5000	.90	.50	55.6
5	1	3	4980	.90	.40	44.4
5	1	3	6820	1.20	.70	58.3
5	1	3	6810	1.20	.70	58.3
5	1	3	6840	1.20	.70	58.3
5	1	2	5040	1.00	.60	60.0
5	1	2	4910	.90	.60	66.7
5	1	2	5010	1.00	.60	60.0
5	1	2	6770	1.40	.90	64.3
5	1	2	6840	1.40	.90	64.3
5	1	2	6850	1.40	.90	64.3
5	1	1	5000	1.10	.50	45.5
5	1	1	4990	1.10	.60	54.5
5	1	1	4970	1.10	.50	45.5
5	1	1	6870	1.50	.80	53.3
5	1	1	6840	1.50	.80	53.3
5	1	1	6830	1.50	.80	53.3
5	3	3	5030	1.90	.60	31.6
5	3	3	5030	1.90	.60	31.6
5	3	3	5000	2.00	.60	30.0
5	3	3	6820	2.70	.80	29.6
5	3	3	6810	2.70	.80	29.6
5	3	3	6770	2.70	.80	29.6
5	3	2	4990	.90	.60	66.7
5	3	2	4970	.90	.60	66.7
5	3	2	4970	.90	.60	66.7
5	3	2	6840	1.30	.80	61.5

5	3	2	6920	1.30	.80	61.5
5	3	2	6940	1.30	.80	61.5
5	3	1	4950	1.10	.60	54.5
5	3	1	5020	1.10	.60	54.5
5	3	1	5020	1.10	.60	54.5
5	3	1	6820	1.50	.80	53.3
5	3	1	6870	1.60	.80	50.0
5	3	1	6840	1.60	.80	50.0
5	3	6	4970	1.10	.70	63.6
5	3	6	4940	1.10	.70	63.6
5	3	6	4990	1.10	.70	63.6
5	3	6	6880	1.50	1.00	66.7
5	3	6	6840	1.50	1.00	66.7
5	3	6	6760	1.50	.90	60.0
5	3	5	4950	1.30	.80	61.5
5	3	5	5050	1.40	.80	57.1
5	3	5	4930	1.40	.80	57.1
5	3	5	6770	1.90	1.10	57.9
5	3	5	6720	1.80	1.10	61.1
5	3	5	6730	1.80	1.10	61.1
5	3	4	4910	1.40	.70	50.0
5	3	4	4910	1.40	.70	50.0
5	3	4	4980	1.40	.70	50.0
5	3	4	6780	2.00	1.00	50.0
5	3	4	6630	2.00	1.00	50.0
5	3	4	6760	2.10	1.00	47.6
6	3	4	10143	4.03	2.23	55.3
6	3	4	14780	5.69	3.04	53.4
6	3	5	10211	2.45	1.90	77.6
6	3	5	14284	3.28	2.57	78.4
6	3	6	10837	2.91	1.94	66.7
6	3	6	14839	3.84	2.62	68.2
6	3	1	10150	2.95	1.37	46.4
6	3	1	15216	4.36	1.96	45.0
6	3	2	10728	2.02	1.50	74.3
6	3	2	14894	2.84	2.05	72.2
6	3	3	10211	2.28	1.41	61.8
6	3	3	15737	3.48	2.09	60.1
6	2	1	10347	1.81	1.26	69.6
6	2	1	14903	2.46	1.73	70.3
6	2	2	9987	2.26	1.73	76.5
6	2	2	14537	3.09	2.39	77.3
6	2	3	9895	2.31	1.80	77.9
6	2	3	14044	3.03	2.38	78.5
6	2	4	10376	2.28	1.75	76.8
6	2	4	14907	3.10	2.36	76.1
6	2	5	9972	2.88	1.72	59.7
6	2	5	14309	4.18	2.42	57.9
6	2	6	10598	2.33	1.21	51.9
6	2	6	14475	3.11	1.60	51.4
7	1	1	19980	4.00	3.60	90.0
7	1	1	19980	3.90	3.70	94.9
7	1	1	19980	4.10	3.70	90.2
7	1	2	19671	4.40	4.00	90.9

7	1	2	19671	4.40	4.00	90.9
7	1	2	19671	4.40	4.00	90.9
7	1	3	19156	3.90	3.50	89.7
7	1	3	19156	3.70	3.50	94.6
7	1	3	19156	3.70	3.40	91.9
7	1	4	19568	3.90	3.50	89.7
7	1	4	19568	3.90	3.50	89.7
7	1	4	19568	3.80	3.50	92.1
7	1	5	19362	3.90	3.50	89.7
7	1	5	19362	4.00	3.50	87.5
7	1	5	19362	3.90	3.50	89.7
7	1	6	19774	4.00	3.50	87.5
7	1	6	19774	3.80	3.30	86.8
7	1	6	19774	3.80	3.40	89.5
7	2	1	19774	3.10	2.80	90.3
7	2	1	19774	3.20	2.80	87.5
7	2	1	19774	3.00	2.80	93.3
7	2	2	19362	4.60	4.10	89.1
7	2	2	19362	4.80	4.30	89.6
7	2	2	19362	4.10	3.70	90.2
7	2	3	19156	4.50	3.90	86.7
7	2	3	19156	4.30	3.90	90.7
7	2	3	19156	5.50	3.90	70.9
7	3	4	19980	6.60	4.90	74.2
7	3	4	19980	5.50	5.00	90.9
7	3	4	19980	5.90	5.30	89.8
7	3	5	19774	5.90	4.80	81.4
7	3	5	19774	5.80	4.80	82.8
7	3	5	19774	5.80	4.70	81.0
7	3	6	19568	5.50	4.70	85.5
7	3	6	19568	5.50	4.80	87.3
7	3	6	19568	5.50	4.80	87.3
7	3	1	19980	3.80	3.30	86.8
7	3	1	19980	3.90	3.40	87.2
7	3	1	19980	3.90	3.50	89.7
7	3	2	19980	4.10	3.60	87.8
7	3	2	19980	4.20	3.70	88.1
7	3	2	19980	4.20	3.60	85.7
7	3	3	19568	3.80	3.40	89.5
7	3	3	19568	3.90	3.40	87.2
7	3	3	19568	3.90	3.50	89.7
7	2	4	19980	4.20	3.90	92.9
7	2	4	19980	4.30	4.10	95.3
7	2	4	19980	4.40	4.10	93.2
7	2	5	18950	4.30	4.00	93.0
7	2	5	18950	4.30	4.10	95.3
7	2	5	18950	4.30	4.10	95.3
7	2	6	18950	3.30	2.70	81.8
7	2	6	18950	2.80	2.70	96.4
7	2	6	18950	3.50	2.70	77.1

SITE 3

1	1	3	10208	5.07	4.56	89.9
---	---	---	-------	------	------	------

1	1	3	10343	4.88	4.48	91.8
1	1	3	14732	6.81	6.22	91.3
1	1	3	14807	6.61	6.22	94.1
1	1	2	10202	5.98	5.27	88.1
1	1	2	10267	5.78	4.96	85.8
1	1	2	14801	8.07	7.08	87.7
1	1	2	14875	8.14	7.28	89.4
1	1	1	10255	5.59	4.96	88.7
1	1	1	10299	5.59	4.92	88.0
1	1	1	14993	7.51	6.96	92.7
1	1	1	14995	7.51	6.96	92.7
1	1	6	10243	5.43	4.68	86.2
1	1	6	10320	5.11	4.48	87.7
1	1	6	14984	7.08	6.41	90.5
1	1	6	15040	7.08	6.29	88.8
1	1	5	10232	5.78	5.27	91.2
1	1	5	10297	5.66	5.07	89.6
1	1	5	15023	7.79	7.36	94.5
1	1	5	15049	7.51	7.28	96.9
1	1	4	10196	7.20	3.07	42.6
1	1	4	10338	6.49	3.07	47.3
1	1	4	15052	9.33	4.33	46.4
1	1	4	15087	9.01	4.21	46.7
1	3	3	10285	5.59	5.07	90.7
1	3	3	10355	5.47	4.68	85.6
1	3	3	15111	7.40	6.96	94.1
1	3	3	15155	7.40	6.88	93.0
1	3	2	10267	5.03	4.68	93.0
1	3	2	10332	4.68	4.33	92.5
1	3	2	15179	6.81	6.49	95.3
1	3	2	15235	6.61	6.29	95.2
1	3	1	10237	5.47	4.76	87.0
1	3	1	10302	4.88	4.40	90.2
1	3	1	15173	6.88	6.41	93.2
1	3	1	15179	6.61	6.29	95.2
1	3	6	10232	10.30	2.95	28.6
1	3	6	10350	9.21	2.95	32.0
1	3	6	15070	13.30	4.21	31.7
1	3	6	15196	13.10	4.01	30.6
1	3	5	10314	6.29	4.72	75.0
1	3	5	10379	5.98	4.40	73.6
1	3	5	15253	8.62	6.61	76.7
1	3	5	15270	8.34	6.61	79.3
1	3	4	10267	4.76	4.21	88.4
1	3	4	10285	4.68	4.25	90.8
1	3	4	15056	6.81	6.29	92.4
1	3	4	15184	6.61	6.22	94.1
2	1	1	26750	14.57	14.02	96.2
2	1	1	26530	14.37	13.98	97.3
2	1	1	49920	29.25	26.89	91.9
2	1	1	50340	27.91	26.34	94.4
2	1	2	25210	13.94	14.92	107.0
2	1	2	24710	14.80	14.96	101.1
2	1	2	49990	31.46	29.96	95.2

2	1	2	50060	30.71	29.21	95.1
2	1	3	26500	14.09	13.82	98.1
2	1	3	26140	13.70	13.54	98.8
2	1	3	50310	27.28	26.22	96.1
2	1	3	50490	27.36	25.79	94.3
2	1	4	26320	16.10	8.03	49.9
2	1	4	26640	16.26	7.91	48.6
2	1	4	49990	31.18	15.24	48.9
2	1	4	49770	30.63	14.84	48.4
2	1	5	26170	14.13	14.06	99.5
2	1	5	26140	14.21	14.06	98.9
2	1	5	49880	28.35	26.93	95.0
2	1	5	50200	38.74	26.77	69.1
2	1	6	25070	10.83	11.30	104.3
2	1	6	24920	10.98	11.38	103.6
2	1	6	49560	25.20	22.20	88.1
2	1	6	49560	24.76	21.89	88.4
2	3	1	26820	11.97	11.14	93.1
2	3	1	26350	11.50	11.14	96.9
2	3	1	50200	22.32	21.54	96.5
2	3	1	50200	22.48	21.46	95.5
2	3	2	25710	13.82	11.18	80.9
2	3	2	25960	12.76	11.06	86.7
2	3	2	49880	26.69	22.32	83.6
2	3	2	49880	27.32	21.46	78.6
2	3	3	25100	21.81	7.72	35.4
2	3	3	24890	20.51	7.56	36.9
2	3	3	49880	41.69	15.28	36.7
2	3	3	49920	40.04	15.75	39.3
2	3	4	23600	12.09	10.75	88.9
2	3	4	23850	12.17	10.83	89.0
2	3	4	50020	23.58	22.32	94.7
2	3	4	49770	23.27	22.01	94.6
2	3	5	26420	11.89	11.81	99.3
2	3	5	26280	11.97	11.42	95.4
2	3	5	50270	23.98	23.78	99.2
2	3	5	50450	24.45	23.03	94.2
2	3	6	25990	13.62	12.95	95.1
2	3	6	24890	14.29	12.64	88.5
2	3	6	50340	24.17	24.92	103.1
2	3	6	50380	21.73	24.69	113.6
3	1	1	1000	.40	.33	82.5
3	1	2	1000	.46	.35	76.1
3	1	3	1000	.39	.34	87.2
3	1	4	1000	.49	.24	49.0
3	1	5	1000	.42	.37	88.1
3	1	6	1000	.39	.33	84.6
3	3	1	1000	.32	.28	87.5
3	3	2	1000	.36	.31	86.1
3	3	3	1000	.38	.34	89.5
3	3	4	1000	.36	.29	80.6
3	3	5	1000	.47	.32	68.1
3	3	6	1000	.61	.21	34.4
4	1	1	9741	5.08	5.71	112.4

4	1	1	9709	4.96	5.00	100.8
4	1	1	14237	7.80	7.48	95.9
4	1	1	24550	13.86	12.95	93.4
4	1	2	9947	6.26	5.35	85.5
4	1	2	9868	6.22	5.31	85.4
4	1	2	14380	9.21	8.11	88.1
4	1	2	24836	16.06	14.17	88.2
4	1	3	9899	5.08	4.69	92.3
4	1	3	9645	4.92	4.57	92.9
4	1	3	14349	7.68	7.17	93.4
4	1	3	24820	13.58	12.56	92.5
4	1	4	9772	5.63	2.52	44.8
4	1	4	9756	5.59	2.60	46.5
4	1	4	14333	8.62	4.06	47.1
4	1	4	24804	15.00	6.85	45.7
4	1	5	9884	5.00	4.88	97.6
4	1	5	9788	4.96	4.80	96.8
4	1	5	14365	7.52	7.32	97.3
4	1	5	25376	13.07	12.56	96.1
4	1	6	9820	4.17	3.70	88.7
4	1	6	9693	4.17	3.66	87.8
4	1	6	14269	6.38	5.63	88.2
4	1	6	25424	11.50	9.92	86.3
4	3	1	10106	4.84	4.57	94.4
4	3	1	10090	4.88	4.65	95.3
4	3	1	14523	7.24	6.93	95.7
4	3	1	24630	12.95	12.17	94.0
4	3	2	10122	5.55	5.39	97.1
4	3	2	10154	5.51	5.39	97.8
4	3	2	14460	8.70	8.39	96.4
4	3	2	24502	15.12	14.33	94.8
4	3	4	10011	4.84	4.33	89.5
4	3	4	9931	4.80	4.29	89.4
4	3	4	14412	7.13	6.54	91.7
4	3	4	24773	18.94	11.57	61.1
4	3	5	9756	6.93	5.00	72.2
4	3	5	9598	6.77	4.92	72.7
4	3	5	14301	10.31	7.36	71.4
4	3	5	25186	17.40	12.87	74.0
4	3	6	9184	12.91	2.64	20.4
4	3	6	9137	12.83	2.64	20.6
4	3	6	13904	18.31	3.94	21.5
4	3	6	24661	30.43	7.40	24.3
5	1	6	5190	3.00	1.80	60.0
5	1	6	5100	2.90	1.70	58.6
5	1	6	7090	4.30	2.50	58.1
5	1	6	7080	4.30	2.50	58.1
5	1	5	5290	2.50	1.70	68.0
5	1	5	5210	2.50	1.60	64.0
5	1	5	7000	3.40	2.30	67.6
5	1	5	6950	3.40	2.30	67.6
5	1	4	5110	4.00	.90	22.5
5	1	4	5100	4.00	.90	22.5
5	1	4	6970	5.50	1.20	21.8

5	1	4	6880	5.50	1.20	21.8
5	1	3	5240	4.00	1.80	45.0
5	1	3	5220	4.00	1.80	45.0
5	1	3	6940	5.50	2.50	45.5
5	1	3	7000	5.50	2.50	45.5
5	1	2	5290	3.50	2.00	57.1
5	1	2	5290	3.40	2.00	58.8
5	1	2	7040	4.60	2.80	60.9
5	1	2	7090	4.70	2.80	59.6
5	1	1	5100	2.70	1.60	59.3
5	1	1	5160	2.80	1.70	60.7
5	1	1	6890	3.80	2.30	60.5
5	1	1	6900	3.80	2.30	60.5
5	3	3	5130	5.80	2.40	41.4
5	3	3	5210	5.80	2.40	41.4
5	3	3	6900	8.40	3.40	40.5
5	3	3	6860	8.50	3.40	40.0
5	3	2	4970	3.50	2.50	71.4
5	3	2	4960	3.50	2.50	71.4
5	3	2	7060	5.20	3.90	75.0
5	3	2	7090	5.30	3.90	73.6
5	3	1	5370	3.90	2.60	66.7
5	3	1	5370	4.00	2.60	65.0
5	3	1	7060	5.40	3.50	64.8
5	3	1	7050	5.40	3.60	66.7
5	3	6	5120	7.80	.90	11.5
5	3	6	5160	8.00	.80	10.0
5	3	6	6980	11.60	1.20	10.3
5	3	6	6970	11.50	1.20	10.4
5	3	5	5220	4.80	2.60	54.2
5	3	5	5170	4.80	2.60	54.2
5	3	5	6910	6.60	3.70	56.1
5	3	5	6900	6.60	3.60	54.5
5	3	4	5200	3.40	1.90	55.9
5	3	4	5110	3.50	1.90	54.3
5	3	4	6950	4.80	2.70	56.3
5	3	4	7000	4.90	2.70	55.1
6	3	4	10803	5.28	4.33	82.0
6	3	4	15204	7.92	6.58	83.1
6	3	5	10493	7.18	4.71	65.6
6	3	5	14697	10.30	6.89	66.9
6	3	6	10703	9.02	3.01	33.4
6	3	6	14949	13.05	4.79	36.7
6	3	1	10574	5.30	4.31	81.3
6	3	1	14348	7.37	6.11	82.9
6	3	2	10387	5.31	4.57	86.1
6	3	2	15081	8.10	6.98	86.2
6	3	3	10229	6.05	5.02	83.0
6	3	3	14778	9.15	7.62	83.3
6	1	4	10350	6.74	2.15	31.9
6	1	4	14542	9.83	3.18	32.3
6	1	5	11118	5.38	4.37	81.2
6	1	5	15147	7.54	6.34	84.1
6	1	6	10208	4.55	3.59	78.9

6	1	6	15328	7.07	5.61	79.3
6	1	1	9958	5.02	4.27	85.1
6	1	1	15057	7.76	6.67	86.0
6	1	2	10476	6.72	5.30	78.9
6	1	2	14802	9.76	7.68	78.7
6	1	3	10178	5.48	4.31	78.6
6	1	3	14532	8.04	6.34	78.9
7	1	1	19465	10.70	9.60	89.7
7	1	1	19465	10.40	9.40	90.4
7	1	1	19465	10.30	9.30	90.3
7	1	2	19362	12.80	10.60	82.8
7	1	2	19362	12.60	10.50	83.3
7	1	2	19362	12.50	10.40	83.2
7	1	3	19774	11.10	9.90	89.2
7	1	3	19774	10.70	9.70	90.7
7	1	3	19774	10.70	9.60	89.7
7	1	4	20804	13.30	5.30	39.8
7	1	4	20804	12.40	5.30	42.7
7	1	4	20804	12.40	5.30	42.7
7	1	5	19774	11.50	10.40	90.4
7	1	5	19774	11.20	10.10	90.2
7	1	5	19774	11.10	10.10	91.0
7	1	6	19980	9.10	8.00	87.9
7	1	6	19980	8.80	7.80	88.6
7	1	6	19980	8.70	7.70	88.5
7	3	1	20083	9.90	8.60	86.9
7	3	1	20083	9.40	8.60	91.5
7	3	1	20083	7.70	8.50	110.4
7	3	2	21010	9.60	8.70	90.6
7	3	2	21010	9.30	8.70	93.5
7	3	2	21010	10.20	8.70	85.3
7	3	3	20186	11.60	10.00	86.2
7	3	3	20186	11.00	9.90	90.0
7	3	3	20186	11.10	10.00	90.1
7	3	4	20572	9.60	8.90	92.7
7	3	4	20572	9.40	8.80	93.6
7	3	4	20572	9.40	8.90	94.7
7	3	5	20186	13.60	9.50	69.9
7	3	5	20186	13.10	9.30	71.0
7	3	5	20183	13.10	9.30	71.0
7	3	6	19980	20.60	5.20	25.2
7	3	6	19980	19.70	5.30	26.9
7	3	6	19980	19.60	5.30	27.0

SITE 7

1	2	3	10154	12.40	3.14	25.3
1	2	3	10272	12.50	3.14	25.1
1	2	3	13925	15.90	4.68	29.4
1	2	3	13948	15.90	4.56	28.7
1	2	2	10113	12.20	2.36	19.3
1	2	2	10243	12.30	2.48	20.2
1	2	2	13990	15.70	3.81	24.3
1	2	2	14001	15.90	3.74	23.5

1	2	1	10083	13.30	1.81	13.6
1	2	1	10219	13.30	1.69	12.7
1	2	1	13941	17.10	2.67	15.6
1	2	1	13942	17.10	2.55	14.9
1	1	3	10089	13.50	1.69	12.5
1	1	3	10231	12.80	1.61	12.6
1	1	3	14057	16.80	2.87	17.1
1	1	3	14025	16.70	2.67	16.0
1	1	2	10127	10.20	4.96	48.6
1	1	2	10213	10.20	4.96	48.6
1	1	2	14094	13.30	7.36	55.3
1	1	2	14137	13.50	7.28	53.9
1	1	1	10124	9.52	4.96	52.1
1	1	1	10278	9.40	4.96	52.8
1	1	1	14167	12.40	7.16	57.7
1	1	1	14131	12.30	7.28	59.2
1	2	6	10078	14.00	2.95	21.1
1	2	6	10225	14.00	2.87	20.5
1	2	6	14102	17.50	4.68	26.7
1	2	6	14155	17.50	4.48	25.6
1	2	4	10125	8.77	3.74	42.6
1	2	4	10254	8.81	3.74	42.5
1	2	4	14313	11.80	5.43	46.0
1	2	4	14303	11.70	5.27	45.0
1	2	5	10160	14.10	3.34	23.7
1	2	5	10260	14.10	3.30	23.4
1	2	5	14291	17.60	5.27	29.9
1	2	5	14309	17.60	5.15	29.3
1	1	6	10072	13.80	3.34	24.2
1	1	6	10190	13.80	3.34	24.2
1	1	6	14214	17.60	5.27	29.9
1	1	6	14242	17.60	5.11	29.0
1	1	5	10125	12.90	3.54	27.4
1	1	5	10243	12.90	3.42	26.5
1	1	5	14291	16.50	5.94	36.0
1	1	5	14248	16.40	6.02	36.7
1	1	4	10113	13.30	3.07	23.1
1	1	4	10190	13.30	2.87	21.6
1	1	4	14315	17.30	4.09	23.6
1	1	4	14307	17.40	4.09	23.5
1	3	1	10131	18.00	11.30	62.8
1	3	1	10237	17.90	11.30	63.1
1	3	1	14415	22.40	15.80	70.5
1	3	1	14389	22.50	15.80	70.2
1	3	2	10095	27.10	8.42	31.1
1	3	2	10166	27.00	8.42	31.2
1	3	2	14130	33.50	12.90	38.5
1	3	2	14273	34.00	12.90	37.9
1	3	3	10136	15.50	13.00	83.9
1	3	3	10231	15.20	13.20	86.8
1	3	3	14421	19.90	18.00	90.5
1	3	3	14457	19.90	18.00	90.5
1	3	6	10095	24.40	13.70	56.1
1	3	6	10213	24.40	13.50	55.3

1	3	6	14350	30.30	18.30	60.4
1	3	6	14380	30.60	18.30	59.8
1	3	5	10119	23.00	6.10	26.5
1	3	5	10207	22.90	5.94	25.9
1	3	5	14330	29.10	9.01	31.0
1	3	5	14297	29.40	8.81	30.0
1	3	4	10066	26.90	4.96	18.4
1	3	4	10231	27.00	5.15	19.1
1	3	4	14404	32.70	9.17	28.0
1	3	4	14437	32.90	9.37	28.5
2	1	1	24470	17.05	14.21	83.3
2	1	1	24360	17.87	14.09	78.8
2	1	1	49200	36.34	32.24	88.7
2	1	1	49310	38.90	32.28	83.0
2	1	2	24430	18.15	14.92	82.2
2	1	2	23900	18.27	15.00	82.1
2	1	2	49060	43.82	33.86	77.3
2	1	2	49220	40.67	34.21	84.1
2	1	3	24110	25.79	8.11	31.4
2	1	3	23730	25.98	7.95	30.6
2	1	3	48060	30.00	24.80	82.7
2	1	3	48450	51.10	24.69	48.3
2	1	4	24390	18.15	12.17	67.1
2	1	4	23710	18.03	12.20	67.7
2	1	4	49230	40.12	29.69	74.0
2	1	4	49300	40.20	28.90	71.9
2	1	5	24360	20.31	16.06	79.1
2	1	5	24080	20.35	15.94	78.3
2	1	5	48850	44.92	37.36	83.2
2	1	5	48790	46.85	37.99	81.1
2	1	6	24710	20.43	16.06	78.6
2	1	6	24870	20.75	16.06	77.4
2	1	6	48710	41.54	37.13	89.4
2	1	6	48960	43.82	36.73	83.8
2	2	1	24730	14.57	15.28	104.9
2	2	1	24460	15.00	13.94	92.9
2	2	1	49520	36.30	29.76	82.0
2	2	1	49720	38.39	31.02	80.8
2	2	2	23980	14.33	13.46	93.9
2	2	2	23410	14.84	13.43	90.5
2	2	2	48770	37.80	30.94	81.9
2	2	2	49110	34.76	31.46	90.5
2	2	3	24360	16.46	15.31	93.0
2	2	3	24010	16.46	15.31	93.0
2	2	3	48690	37.28	35.20	94.4
2	2	3	49060	37.20	35.31	94.9
2	2	4	24040	17.05	12.52	73.4
2	2	4	23550	17.09	12.52	73.3
2	2	4	48410	41.18	29.49	71.6
2	2	4	48520	39.76	30.16	75.9
2	2	5	24010	17.13	11.22	65.5
2	2	5	24090	17.24	11.26	65.3
2	2	5	49230	42.95	27.01	62.9
2	2	5	49520	40.71	26.89	66.1

2	2	6	24390	19.88	13.07	65.7
2	2	6	24390	17.32	13.11	75.7
2	2	6	48870	38.62	30.91	80.0
2	2	6	49060	38.74	30.71	79.3
2	3	1	24890	14.96	14.37	96.1
2	3	1	24710	15.12	14.37	95.0
2	3	1	48930	36.77	33.86	92.1
2	3	1	49330	35.20	32.64	92.7
2	3	2	23570	27.01	18.50	68.5
2	3	2	23440	26.97	18.39	68.2
2	3	2	47770	59.37	47.28	79.6
2	3	2	47660	59.09	46.73	79.1
2	3	3	24120	17.95	17.48	97.4
2	3	3	23920	18.66	17.52	93.9
2	3	3	48880	41.14	39.61	96.3
2	3	3	48950	41.54	42.28	101.8
2	3	4	24270	17.24	13.66	79.2
2	3	4	23890	17.01	13.62	80.1
2	3	4	49530	44.65	33.35	74.7
2	3	4	49580	41.26	32.72	79.3
2	3	5	23630	22.28	12.80	57.5
2	3	5	23520	22.13	12.83	58.0
2	3	5	49090	40.83	30.59	74.9
2	3	5	48630	54.29	29.84	55.0
2	3	6	23710	20.04	14.65	73.1
2	3	6	24190	19.69	15.00	76.2
2	3	6	48470	42.60	35.08	82.3
2	3	6	48680	43.46	35.16	80.9
3	3	1	1000	1.34	.31	23.1
3	3	2	1000	1.58	.20	12.7
3	3	3	1000	1.56	.26	16.7
3	3	4	1000	1.18	.27	22.9
3	3	5	1000	1.56	.21	13.5
3	3	6	1000	1.79	.31	17.3
3	1	1	1000	.95	.14	14.7
3	1	2	1000	1.06	.23	21.7
3	1	3	1000	1.24	.12	9.7
3	1	4	1000	1.04	.21	20.2
3	1	5	1000	.91	.22	24.2
3	1	6	1000	1.01	.25	24.8
3	2	1	1000	1.17	.16	13.7
3	2	2	1000	.81	.27	33.3
3	2	3	1000	.80	.32	40.0
3	2	4	1000	.86	.24	27.9
3	2	5	1000	.97	.24	24.7
3	2	6	1000	.71	.30	42.3
4	1	1	10058	9.96	2.36	23.7
4	1	1	9995	9.88	2.32	23.5
4	1	1	14809	14.49	3.94	27.2
4	1	1	24995	23.54	8.70	37.0
4	1	2	9772	9.69	3.07	31.7
4	1	2	9836	9.72	3.07	31.6
4	1	2	14635	14.25	5.12	35.9
4	1	2	24693	23.66	10.35	43.7

4	1	3	9852	11.57	2.05	17.7
4	1	3	9931	11.57	2.09	18.1
4	1	3	14682	17.32	3.11	18.0
4	1	3	24741	29.37	5.67	19.3
4	1	4	9804	9.02	2.91	32.3
4	1	4	9820	8.98	2.87	32.0
4	1	4	14444	13.66	4.29	31.4
4	1	4	24757	23.62	7.87	33.3
4	1	5	9868	10.04	2.91	29.0
4	1	5	9899	10.04	2.95	29.4
4	1	5	14619	15.04	4.61	30.7
4	1	5	24931	24.09	11.06	45.9
4	1	6	9820	10.16	3.43	33.8
4	1	6	9804	10.08	3.31	32.8
4	1	6	14428	15.55	5.04	32.4
4	1	6	24788	26.38	9.88	37.5
4	2	1	9915	9.69	2.20	22.7
4	2	1	9788	9.65	2.20	22.8
4	2	1	14523	14.49	3.35	23.1
4	2	1	24900	24.06	7.20	29.9
4	2	2	9836	8.50	3.11	36.6
4	2	2	9884	8.39	3.11	37.1
4	2	2	14571	12.80	4.53	35.4
4	2	2	24963	22.36	8.58	38.4
4	2	3	9852	8.19	3.58	43.7
4	2	3	9852	8.03	3.66	45.6
4	2	3	14666	12.48	5.55	44.5
4	2	3	25122	21.57	10.47	48.5
4	2	4	9772	8.07	3.54	43.9
4	2	4	9852	7.95	3.54	44.5
4	2	4	14682	12.13	5.35	44.1
4	2	4	25106	20.79	10.39	50.0
4	2	5	9756	8.07	3.23	40.0
4	2	5	9804	7.99	3.19	39.9
4	2	5	14571	12.17	4.92	40.4
4	2	5	24773	21.22	9.09	42.8
4	2	6	10027	8.35	3.27	39.2
4	2	6	10027	8.31	3.31	39.8
4	2	6	14873	12.72	4.92	38.7
4	2	6	25043	21.97	9.09	41.4
4	3	1	9693	11.14	7.52	67.5
4	3	1	9661	11.02	7.72	70.1
4	3	1	14523	16.42	12.17	74.1
4	3	1	24502	27.87	23.78	85.3
4	3	2	9566	13.70	3.50	25.5
4	3	2	9661	13.62	3.35	24.6
4	3	2	14460	19.72	6.57	33.3
4	3	2	24455	32.64	15.79	48.4
4	3	3	9725	11.18	6.14	54.9
4	3	3	9788	11.14	6.06	54.4
4	3	3	14508	15.67	9.92	63.3
4	3	3	24788	25.87	18.86	72.9
4	3	4	9836	11.34	3.54	31.2
4	3	4	9820	11.22	3.66	32.6

4	3	4	14460	16.38	6.14	37.5
4	3	4	24645	26.34	12.52	47.5
4	3	5	9693	14.76	3.39	23.0
4	3	5	9629	14.69	3.43	23.3
4	3	5	14476	21.77	5.35	24.6
4	3	5	24343	35.20	10.43	29.6
4	3	6	9741	13.07	3.98	30.5
4	3	6	9741	12.99	3.86	29.7
4	3	6	14587	18.70	7.13	38.1
4	3	6	24550	30.24	15.28	50.5
5	2	4	5150	3.70	1.50	40.5
5	2	4	5040	3.70	1.60	43.2
5	2	4	6900	5.20	2.20	42.3
5	2	4	7100	5.30	2.20	41.5
5	2	5	5070	4.00	1.40	35.0
5	2	5	5070	4.00	1.40	35.0
5	2	5	7020	5.70	1.90	33.3
5	2	5	6900	5.60	1.90	33.9
5	2	6	5140	3.20	1.40	43.8
5	2	6	5210	3.30	1.40	42.4
5	2	6	7010	4.60	1.90	41.3
5	2	6	6870	4.60	1.90	41.3
5	2	3	5160	3.20	1.90	59.4
5	2	3	5080	3.10	2.00	64.5
5	2	3	7040	4.50	2.70	60.0
5	2	3	6930	4.60	2.70	58.7
5	2	2	4990	2.60	1.60	61.5
5	2	2	4960	2.60	1.70	65.4
5	2	2	6780	3.80	2.30	60.5
5	2	2	6890	3.80	2.30	60.5
5	2	1	5170	3.00	1.50	50.0
5	2	1	5040	2.90	1.50	51.7
5	2	1	6860	4.20	2.00	47.6
5	2	1	6960	4.30	2.00	46.5
5	1	3	5150	4.90	1.40	28.6
5	1	3	5140	4.80	1.40	29.2
5	1	3	6860	7.00	1.90	27.1
5	1	3	7010	7.10	2.00	28.2
5	1	2	4960	3.70	1.80	48.6
5	1	2	5000	3.70	1.90	51.4
5	1	2	6860	5.40	2.50	46.3
5	1	2	7030	5.40	2.50	46.3
5	1	1	5070	3.50	1.30	37.1
5	1	1	5040	3.50	1.30	37.1
5	1	1	7000	5.10	1.70	33.3
5	1	1	6940	5.20	1.70	32.7
5	1	6	5100	6.10	3.00	49.2
5	1	6	5140	6.20	3.10	50.0
5	1	6	7080	8.50	4.20	49.4
5	1	6	7010	8.60	4.20	48.8
5	1	5	5170	5.30	2.60	49.1
5	1	5	5200	5.40	2.60	48.1
5	1	5	6990	7.70	3.60	46.8
5	1	5	6970	7.70	3.50	45.5

5	1	4	4950	3.40	1.20	35.3
5	1	4	5030	3.40	1.20	35.3
5	1	4	6850	4.90	1.60	32.7
5	1	4	6840	5.00	1.70	34.0
5	3	1	4970	5.30	1.60	30.2
5	3	1	5090	5.40	1.60	29.6
5	3	1	6860	8.00	2.20	27.5
5	3	1	6960	8.10	2.20	27.2
5	3	2	5070	3.40	2.20	64.7
5	3	2	5010	3.30	2.20	66.7
5	3	2	7000	4.90	3.20	65.3
5	3	2	6920	4.90	3.20	65.3
5	3	3	5130	4.90	2.30	46.9
5	3	3	5070	5.00	2.30	46.0
5	3	3	6890	7.90	3.00	38.0
5	3	3	6950	7.80	2.90	37.2
5	3	6	5010	4.50	2.70	60.0
5	3	6	5040	4.50	2.70	60.0
5	3	6	7280	6.90	4.00	58.0
5	3	6	7200	7.00	4.10	58.6
5	3	5	5080	5.10	2.80	54.9
5	3	5	5020	5.00	2.80	56.0
5	3	5	7080	7.70	4.00	51.9
5	3	5	7070	7.80	3.90	50.0
5	3	4	5070	3.50	1.60	45.7
5	3	4	4990	3.50	1.60	45.7
5	3	4	7040	5.10	2.30	45.1
5	3	4	7050	5.10	2.30	45.1
6	1	3	10099	8.94	5.22	58.4
6	1	3	9978	8.83	5.11	57.9
6	1	3	9963	8.87	5.12	57.7
6	1	3	15211	15.35	8.18	53.3
6	1	3	15142	15.32	8.17	53.3
6	1	3	15155	15.37	8.17	53.2
6	1	2	10421	7.77	5.98	77.0
6	1	2	10257	7.70	5.86	76.1
6	1	2	10407	7.79	5.89	75.6
6	1	2	15061	12.41	9.07	73.1
6	1	2	15125	12.62	9.44	74.8
6	1	2	15235	12.77	9.53	74.6
6	1	1	11018	8.11	6.46	79.7
6	1	1	10753	7.87	6.28	79.8
6	1	1	10128	7.35	5.90	80.3
6	1	1	15132	11.90	9.11	76.6
6	1	1	15083	11.91	9.09	76.3
6	1	1	15359	12.50	9.60	76.8
6	1	6	10738	8.81	6.45	73.2
6	1	6	15014	13.19	9.43	71.5
6	1	5	10072	7.71	6.31	81.8
6	1	5	15278	12.59	9.88	78.5
6	1	4	10023	7.62	4.70	61.7
6	1	4	15034	12.20	7.14	58.5
6	2	1	10390	6.40	5.22	81.6
6	2	1	14369	9.11	7.49	82.2

6	2	2	9754	5.30	4.62	87.2
6	2	2	15172	8.67	7.63	88.0
6	2	3	9912	6.05	5.39	89.1
6	2	3	14847	9.29	8.31	89.5
6	2	4	10329	7.16	5.04	70.4
6	2	4	14782	10.81	7.48	69.2
6	2	5	10432	7.70	4.84	62.9
6	2	5	14708	11.44	7.24	63.3
6	2	6	10308	7.31	4.73	64.7
6	2	6	15211	11.77	7.29	61.9
6	3	1	9994	8.36	7.54	90.2
6	3	1	14872	13.55	12.21	90.1
6	3	2	10193	11.04	9.14	82.8
6	3	2	14790	17.87	14.19	79.4
6	3	3	10637	8.36	6.95	83.1
6	3	3	14800	12.21	10.29	84.3
6	3	6	10304	9.02	6.92	76.7
6	3	6	14810	14.57	11.04	75.8
6	3	5	10462	9.73	6.23	64.0
6	3	5	15168	16.10	9.92	61.6
6	3	4	10493	9.14	5.85	64.0
6	3	4	15421	14.29	9.05	63.3
7	1	1	20186	15.20	10.30	67.8
7	1	1	20186	14.70	10.20	69.4
7	1	1	20186	14.60	10.10	69.2
7	1	2	20186	15.00	11.10	74.0
7	1	2	20186	14.40	11.10	77.1
7	1	2	20186	14.50	11.10	76.6
7	1	3	19362	22.70	5.00	22.0
7	1	3	19362	21.70	5.10	23.5
7	1	3	19362	21.90	5.00	22.8
7	1	4	20495	16.60	8.90	53.6
7	1	4	20495	15.90	8.70	54.7
7	1	4	20495	15.50	8.60	55.5
7	1	5	20392	17.10	11.50	67.3
7	1	5	20392	16.70	11.30	67.7
7	1	5	20392	16.70	11.20	67.1
7	1	6	20598	18.50	11.00	59.5
7	1	6	20598	18.00	10.90	60.6
7	1	6	20598	17.90	10.80	60.3
7	2	1	20186	13.20	9.30	70.5
7	2	1	20186	12.10	9.70	80.2
7	2	1	20186	12.00	9.70	80.8
7	2	2	20392	11.80	10.10	85.6
7	2	2	20392	11.30	9.80	86.7
7	2	2	20392	11.30	9.80	86.7
7	2	3	20598	14.50	11.70	80.7
7	2	3	20598	13.90	11.50	82.7
7	2	3	20598	13.80	11.50	83.3
7	2	6	19671	14.40	9.30	64.6
7	2	6	19671	14.00	9.20	65.7
7	2	6	19671	14.00	9.10	65.0
7	2	5	19465	14.60	8.30	56.8
7	2	5	19465	14.30	8.30	58.0

7	2	5	19465	14.30	8.20	57.3
7	2	4	20392	15.10	9.80	64.9
7	2	4	20392	14.60	9.80	67.1
7	2	4	20392	14.60	9.80	67.1
7	3	4	20598	15.70	10.90	69.4
7	3	4	20598	15.30	10.80	70.6
7	3	4	20598	15.20	10.80	71.1
7	3	5	19774	20.80	9.30	44.7
7	3	5	19774	20.30	9.40	46.3
7	3	5	19774	20.40	9.40	46.1
7	3	6	20598	19.50	11.40	58.5
7	3	6	20598	18.50	11.30	61.1
7	3	6	20598	18.70	11.40	61.0
7	3	3	19980	14.10	11.50	81.6
7	3	3	19980	13.60	11.50	84.6
7	3	3	19980	13.60	11.50	84.6
7	3	2	19980	24.30	13.90	57.2
7	3	2	19980	23.10	13.50	58.4
7	3	2	19980	23.00	13.40	58.3
7	3	1	20392	16.00	13.10	81.9
7	3	1	20392	15.40	13.20	85.7
7	3	1	20392	15.40	13.30	86.4

SITE 11

1	2	3	10160	2.67	2.20	82.4
1	2	3	10331	2.75	2.20	80.0
1	2	3	14295	3.58	2.95	82.4
1	2	3	14283	3.50	2.95	84.3
1	2	2	10219	3.03	2.48	81.8
1	2	2	10296	2.95	2.48	84.1
1	2	2	14389	3.97	3.42	86.1
1	2	2	14406	3.77	3.34	88.6
1	2	1	10137	3.74	1.69	45.2
1	2	1	10308	3.77	1.69	44.8
1	2	1	14366	4.76	2.28	47.9
1	2	1	14372	4.88	2.08	42.6
1	2	6	10154	4.05	1.61	39.8
1	2	6	10314	4.17	1.61	38.6
1	2	6	14419	5.39	2.20	40.8
1	2	6	14486	5.27	2.20	41.7
1	2	5	10178	2.95	2.55	86.4
1	2	5	10302	3.07	2.55	83.1
1	2	5	14482	3.85	3.42	88.8
1	2	5	14508	3.77	3.42	90.7
1	2	4	10184	3.58	1.14	31.8
1	2	4	10267	3.58	1.22	34.1
1	2	4	14587	4.68	1.53	32.7
1	2	4	14588	4.76	1.45	30.5
1	1	3	10267	1.77	1.69	95.5
1	1	3	10355	1.85	1.69	91.4
1	1	3	14649	2.36	2.20	93.2
1	1	3	14740	2.36	2.20	93.2
1	1	2	10231	2.04	1.81	88.7

1	1	2	10331	2.04	1.69	82.8
1	1	2	14765	2.51	2.28	90.8
1	1	2	14732	2.55	2.36	92.5
1	1	1	10278	1.96	1.77	90.3
1	1	1	10349	2.16	1.81	83.8
1	1	1	14732	2.67	2.36	88.4
1	1	1	14815	2.67	2.36	88.4
1	1	6	10220	2.04	2.00	98.0
1	1	6	10349	2.32	2.08	89.7
1	1	6	14714	2.87	2.75	95.8
1	1	6	14726	2.87	2.75	95.8
1	1	5	10255	2.51	2.08	82.9
1	1	5	10355	2.55	2.08	81.6
1	1	5	14756	3.14	2.87	91.4
1	1	5	14791	3.14	2.95	93.9
1	1	4	10225	2.67	2.36	88.4
1	1	4	10343	2.75	2.36	85.8
1	1	4	14756	3.74	3.22	86.1
1	1	4	14827	3.58	3.22	89.9
1	3	3	10243	4.17	3.89	93.3
1	3	3	10391	4.29	3.89	90.7
1	3	3	14823	5.59	5.27	94.3
1	3	3	14803	5.47	5.27	96.3
1	3	1	10290	3.66	3.22	88.0
1	3	1	10385	3.58	3.14	87.7
1	3	1	14941	4.76	4.40	92.4
1	3	1	14986	4.76	4.40	92.4
1	3	2	10308	3.14	2.75	87.6
1	3	2	10432	3.07	2.87	93.5
1	3	2	14953	4.01	3.81	95.0
1	3	2	14968	3.97	3.81	96.0
1	3	6	10237	2.87	2.63	91.6
1	3	6	10326	2.87	2.55	88.9
1	3	6	14925	3.77	3.54	93.9
1	3	6	14927	3.77	3.54	93.9
1	3	5	10201	3.85	3.62	94.0
1	3	5	10379	3.97	3.62	91.2
1	3	5	14925	5.27	5.07	96.2
1	3	5	14933	5.27	5.07	96.2
1	3	4	10231	3.07	2.87	93.5
1	3	4	10396	3.07	2.87	93.5
1	3	4	14907	4.01	3.89	97.0
1	3	4	14880	3.97	3.74	94.2
2	1	1	23560	2.91	3.31	113.7
2	1	1	22960	3.54	3.31	93.5
2	1	1	50670	6.69	6.73	100.6
2	1	1	50810	6.57	6.69	101.8
2	1	2	25670	2.83	3.43	121.2
2	1	2	24780	3.07	3.43	111.7
2	1	2	51350	7.36	6.93	94.2
2	1	2	51450	7.05	6.89	97.7
2	1	3	23740	3.54	3.54	100.0
2	1	3	23280	3.58	3.50	97.8
2	1	3	51100	7.09	7.13	100.6

2	1	3	51100	6.97	7.09	101.7
2	1	4	24060	4.57	4.88	106.8
2	1	4	23240	4.76	4.76	100.0
2	1	4	50420	10.04	9.84	98.0
2	1	4	50740	10.28	9.80	95.3
2	1	5	24710	4.53	4.69	103.5
2	1	5	24030	4.53	4.49	99.1
2	1	5	51100	9.96	9.41	94.5
2	1	5	51100	9.65	9.41	97.5
2	1	6	24670	4.80	4.41	91.9
2	1	6	23920	4.72	4.33	91.7
2	1	6	50950	8.58	9.09	105.9
2	1	6	51350	9.06	9.09	100.3
2	2	1	23740	5.75	4.92	85.6
2	2	1	23350	5.55	4.92	88.6
2	2	1	51270	12.80	9.69	75.7
2	2	1	51380	12.56	9.72	77.4
2	2	2	24030	5.24	5.12	97.7
2	2	2	23490	5.43	5.12	94.3
2	2	2	51130	10.91	10.55	96.7
2	2	2	51420	11.54	10.55	91.4
2	2	3	23850	4.53	4.65	102.6
2	2	3	23630	4.49	4.53	100.9
2	2	3	51310	10.08	9.61	95.3
2	2	3	51170	9.72	9.53	98.0
2	2	4	24170	4.92	4.49	91.3
2	2	4	23850	4.76	4.53	95.2
2	2	4	51170	10.94	8.46	77.3
2	2	4	51310	10.75	8.62	80.2
2	2	5	25170	5.28	5.43	102.8
2	2	5	24850	4.57	5.43	118.8
2	2	5	51810	11.57	11.10	95.9
2	2	5	51810	10.94	11.14	101.8
2	2	6	24310	5.75	5.35	93.0
2	2	6	23740	5.91	5.39	91.2
2	2	6	50630	13.07	10.47	80.1
2	2	6	50770	12.83	10.55	82.2
2	3	1	23890	5.16	5.28	102.3
2	3	1	23350	5.08	5.20	102.4
2	3	1	50920	11.18	10.87	97.2
2	3	1	51020	11.02	10.63	96.5
2	3	2	24990	5.55	5.43	97.8
2	3	2	24560	5.67	5.39	95.1
2	3	2	51420	11.26	11.02	97.9
2	3	2	51450	11.26	10.83	96.2
2	3	3	24920	5.91	5.67	95.9
2	3	3	24030	5.75	5.39	93.7
2	3	3	51240	12.80	12.05	94.1
2	3	3	51270	12.68	11.65	91.9
2	3	4	23060	4.09	5.94	145.2
2	3	4	23170	3.98	5.79	145.5
2	3	4	51170	13.19	12.24	92.8
2	3	4	51420	13.11	12.05	91.9
2	3	5	24100	5.31	5.59	105.3

2	3	5	23710	4.84	5.35	110.5
2	3	5	50270	11.65	11.50	98.7
2	3	5	50380	11.54	11.26	97.6
2	3	6	23460	4.92	4.92	100.0
2	3	6	23210	4.96	4.76	96.0
2	3	6	50850	10.35	10.35	100.0
2	3	6	50770	10.51	10.04	95.5
3	1	1	1000	.19	.17	89.5
3	1	2	1000	.18	.16	88.9
3	1	3	1000	.17	.16	94.1
3	1	4	1000	.25	.23	92.0
3	1	5	1000	.20	.19	95.0
3	1	6	1000	.22	.20	90.9
3	2	1	1000	.41	.13	31.7
3	2	2	1000	.28	.25	89.3
3	2	3	1000	.28	.22	78.6
3	2	4	1000	.33	.15	45.5
3	2	5	1000	.30	.23	76.7
3	2	6	1000	.32	.24	75.0
3	3	1	1000	.27	.27	100.0
3	3	2	1000	.25	.25	100.0
3	3	3	1000	.37	.35	94.6
3	3	4	1000	.31	.28	90.3
3	3	5	1000	.38	.36	94.7
3	3	6	1000	.27	.25	92.6
4	1	1	9899	1.50	1.50	100.0
4	1	1	9947	1.50	1.50	100.0
4	1	1	14841	2.20	2.13	96.8
4	1	1	25726	3.82	3.54	92.7
4	1	2	9868	1.85	1.38	74.6
4	1	2	9836	1.81	1.30	71.8
4	1	2	14794	2.68	2.01	75.0
4	1	2	25583	4.41	3.27	74.1
4	1	3	9868	1.46	1.38	94.5
4	1	3	9868	1.46	1.38	94.5
4	1	3	14841	2.20	2.13	96.8
4	1	3	25789	3.62	3.27	90.3
4	1	4	9995	2.28	2.20	96.5
4	1	4	9963	2.32	2.20	94.8
4	1	4	14825	3.35	3.15	94.0
4	1	4	25551	5.59	5.20	93.0
4	1	5	9836	1.93	1.89	97.9
4	1	5	9899	1.81	1.81	100.0
4	1	5	14873	2.80	2.76	98.6
4	1	5	25662	4.76	4.49	94.3
4	1	6	10233	1.97	1.77	89.8
4	1	6	10217	1.93	1.73	89.6
4	1	6	14778	2.76	2.56	92.8
4	1	6	25694	4.88	4.33	88.7
4	2	1	9852	3.31	1.26	38.1
4	2	1	9836	3.27	1.18	36.1
4	2	1	14682	4.69	1.85	39.4
4	2	1	25360	7.76	3.23	41.6
4	2	2	9756	2.40	1.97	82.1

4	2	2	9772	2.40	2.05	85.4
4	2	2	14349	3.46	3.07	88.7
4	2	2	25710	6.02	5.28	87.7
4	2	3	9820	2.17	1.89	87.1
4	2	3	9852	2.17	1.89	87.1
4	2	3	14794	3.31	2.80	84.6
4	2	3	25789	5.51	4.53	82.2
4	2	4	9741	2.87	1.30	45.3
4	2	4	9741	2.83	1.26	44.5
4	2	4	14698	4.33	1.65	38.1
4	2	4	25138	7.52	2.52	33.5
4	2	5	9852	2.56	2.09	81.6
4	2	5	9852	2.56	2.13	83.2
4	2	5	14619	3.74	3.15	84.2
4	2	5	25233	6.18	5.31	85.9
4	2	6	9772	2.95	1.93	65.4
4	2	6	9804	2.87	1.89	65.9
4	2	6	14666	4.69	2.52	53.7
4	2	6	25408	8.35	3.70	44.3
4	3	1	9756	2.68	2.60	97.0
4	3	1	9804	2.72	2.64	97.1
4	3	1	14730	3.98	3.86	97.0
4	3	1	25456	6.65	6.14	92.3
4	3	2	9756	2.48	2.40	96.8
4	3	2	9725	2.40	2.32	96.7
4	3	2	14603	3.50	3.43	98.0
4	3	2	25313	5.98	5.63	94.1
4	3	3	9836	3.23	3.19	98.8
4	3	3	9836	3.23	3.19	98.8
4	3	3	14698	4.72	4.53	96.0
4	3	3	25519	7.80	7.32	93.8
4	3	4	9804	2.56	2.48	96.9
4	3	4	9804	2.52	2.44	96.8
4	3	4	14603	3.86	3.70	95.9
4	3	4	25392	6.65	6.26	94.1
4	3	5	9788	2.95	2.87	97.3
4	3	5	9725	2.95	2.87	97.3
4	3	5	14603	4.49	4.33	96.4
4	3	5	25440	7.87	7.56	96.1
4	3	6	9820	2.28	2.13	93.4
4	3	6	9709	2.20	2.09	95.0
4	3	6	14555	3.23	3.03	93.8
4	3	6	25551	5.91	5.28	89.3
5	1	3	5180	.80	.60	75.0
5	1	3	5180	.90	.60	66.7
5	1	3	6940	1.30	.90	69.2
5	1	3	6950	1.30	.90	69.2
5	1	2	5010	.70	.50	71.4
5	1	2	5040	.70	.50	71.4
5	1	2	7080	.90	.70	77.8
5	1	2	7130	1.00	.70	70.0
5	1	1	5110	.70	.50	71.4
5	1	1	5160	.70	.50	71.4
5	1	1	7010	1.10	.70	63.6

5	1	1	7000	1.00	.70	70.0
5	1	6	5130	1.50	.80	53.3
5	1	6	5240	1.50	.80	53.3
5	1	6	6890	2.10	1.10	52.4
5	1	6	6980	2.10	1.10	52.4
5	1	5	5070	1.20	1.00	83.3
5	1	5	5040	1.20	1.00	83.3
5	1	5	6880	1.60	1.30	81.3
5	1	5	6950	1.60	1.40	87.5
5	1	4	5210	1.50	1.20	80.0
5	1	4	5050	1.40	1.20	85.7
5	1	4	6900	2.00	1.70	85.0
5	1	4	6970	2.00	1.70	85.0
5	2	6	5070	1.20	.00	.0
5	2	6	5070	1.10	.00	.0
5	2	6	6770	1.60	.00	.0
5	2	6	7030	1.70	.00	.0
5	2	5	5060	1.00	.90	90.0
5	2	5	5060	1.00	.90	90.0
5	2	5	6970	1.40	1.30	92.9
5	2	5	7000	1.40	1.30	92.9
5	2	4	5040	1.20	.90	75.0
5	2	4	5070	1.20	.90	75.0
5	2	4	6970	1.70	1.20	70.6
5	2	4	6890	1.60	1.20	75.0
5	2	3	5060	.90	.70	77.8
5	2	3	5060	.90	.80	88.9
5	2	3	6980	1.40	1.00	71.4
5	2	3	7070	1.40	1.00	71.4
5	2	2	5030	1.00	.70	70.0
5	2	2	5060	1.00	.80	80.0
5	2	2	7100	1.40	1.10	78.6
5	2	2	6970	1.40	1.10	78.6
5	2	1	5080	1.70	.70	41.2
5	2	1	5110	1.80	.60	33.3
5	2	1	7010	2.70	.90	33.3
5	2	1	7060	2.70	.80	29.6
5	3	6	4950	1.20	.80	66.7
5	3	6	5030	1.10	.90	81.8
5	3	6	6900	1.70	1.20	70.6
5	3	6	6900	1.70	1.20	70.6
5	3	6	6760	1.60	1.20	75.0
5	3	5	4740	1.50	.90	60.0
5	3	5	5090	1.60	1.00	62.5
5	3	5	6930	2.20	1.30	59.1
5	3	5	6860	2.20	1.30	59.1
5	3	4	5030	1.30	1.10	84.6
5	3	4	4760	1.30	1.20	92.3
5	3	4	6740	1.90	1.60	84.2
5	3	4	6870	1.90	1.60	84.2
5	3	3	4970	1.20	.90	75.0
5	3	3	4920	1.30	1.00	76.9
5	3	3	6690	1.70	1.30	76.5
5	3	3	6790	1.80	1.30	72.2

5	3	2	5010	1.30	1.10	84.6
5	3	2	5000	1.40	1.10	78.6
5	3	2	6790	1.80	1.50	83.3
5	3	2	7120	1.90	1.60	84.2
5	3	1	4980	1.50	1.10	73.3
5	3	1	4920	1.50	1.10	73.3
5	3	1	6950	2.30	1.50	65.2
5	3	1	7040	2.30	1.50	65.2
6	1	3	10130	2.41	2.22	92.1
6	1	3	15049	3.48	3.21	92.2
6	1	2	10453	2.82	2.28	80.9
6	1	2	14733	3.90	3.18	81.5
6	1	1	10674	2.67	2.27	85.0
6	1	1	14441	3.56	3.07	86.2
6	1	6	10495	2.80	2.08	74.3
6	1	6	14286	3.75	2.83	75.5
6	1	5	10534	2.89	2.19	75.8
6	1	5	15046	4.18	3.21	76.8
6	1	4	9597	2.85	2.33	81.8
6	1	4	14808	4.48	3.70	82.6
6	3	3	10105	4.76	3.92	82.4
6	3	3	15339	7.20	6.03	83.8
6	3	2	10334	3.78	3.34	88.4
6	3	2	14757	5.32	4.77	89.7
6	3	1	10328	3.72	3.05	82.0
6	3	1	14572	5.34	4.46	83.5
6	3	6	10040	3.30	2.71	82.1
6	3	6	14713	4.81	3.98	82.7
6	3	5	10496	4.10	3.54	86.3
6	3	5	14970	5.90	5.17	87.6
6	3	4	10385	3.59	3.09	86.1
6	3	4	14424	5.07	4.42	87.2
6	2	6	10509	4.43	2.41	54.4
6	2	6	14115	6.36	3.44	54.1
6	2	5	10837	3.73	3.42	91.7
6	2	5	14462	5.26	4.85	92.2
6	2	4	10056	3.59	2.48	69.1
6	2	4	14628	5.62	3.80	67.6
6	2	3	10324	3.00	2.28	76.0
6	2	3	14974	4.41	3.38	76.6
6	2	2	10437	2.96	2.49	84.1
6	2	2	14905	4.28	3.60	84.1
6	2	1	10340	3.55	2.24	63.1
6	2	1	14780	5.26	3.01	57.2
7	1	1	20186	3.00	2.60	86.7
7	1	1	20186	2.80	2.40	85.7
7	1	1	20186	2.80	2.40	85.7
7	1	2	20907	3.00	2.40	80.0
7	1	2	20907	2.90	2.40	82.8
7	1	2	20907	3.00	2.50	83.3
7	1	3	20804	2.70	2.30	85.2
7	1	3	20804	2.50	2.20	88.0
7	1	3	20804	3.10	2.70	87.1
7	1	3	20598	2.60	2.30	88.5

7	1	3	20598	2.40	2.60	108.3
7	1	3	20598	2.30	2.70	117.4
7	3	1	19774	4.30	3.70	86.0
7	3	1	19774	4.80	4.30	89.6
7	3	1	19774	4.10	3.60	87.8
7	3	2	20598	4.80	4.20	87.5
7	3	2	20598	4.60	4.10	89.1
7	3	2	20598	4.60	4.10	89.1
7	3	3	20907	4.40	4.00	90.9
7	3	3	20907	4.10	3.70	90.2
7	3	3	20907	4.70	4.40	93.6
7	2	4	20804	4.40	3.60	81.8
7	2	4	20804	4.30	3.50	81.4
7	2	4	20804	4.10	3.40	82.9
7	2	5	20495	4.60	4.10	89.1
7	2	5	20495	4.60	4.10	89.1
7	2	5	20495	4.50	4.00	88.9
7	2	6	20804	4.70	4.10	87.2
7	2	6	20804	4.50	4.00	88.9
7	2	6	20804	4.60	4.20	91.3
7	1	4	20186	4.10	3.50	85.4
7	1	4	20186	4.00	3.50	87.5
7	1	4	20186	3.90	3.50	89.7
7	1	5	20804	3.70	3.30	89.2
7	1	5	20804	3.60	3.30	91.7
7	1	5	20804	3.60	3.30	91.7
7	1	6	20907	3.70	3.30	89.2
7	1	6	20907	3.90	3.50	89.7
7	1	6	20907	4.00	3.50	87.5
7	2	1	20186	4.70	3.70	78.7
7	2	1	20186	4.60	3.70	80.4
7	2	1	20186	4.60	3.70	80.4
7	2	2	20907	4.30	3.60	83.7
7	2	2	20907	4.20	3.70	88.1
7	2	2	20907	4.30	3.70	86.0
7	2	3	21010	3.80	3.50	92.1
7	2	3	21010	3.80	3.50	92.1
7	2	3	21010	3.70	3.40	91.9
7	3	4	20598	5.20	4.60	88.5
7	3	4	20598	5.10	4.50	88.2
7	3	4	20598	5.00	4.50	90.0
7	3	5	21216	4.70	4.30	91.5
7	3	5	21216	4.60	4.30	93.5
7	3	5	21216	4.60	4.30	93.5
7	3	6	20289	4.50	4.00	88.9
7	3	6	20289	4.50	4.00	88.9
7	3	6	20289	4.50	4.00	88.9

APPENDIX I: PAVEMENT TEMPERATURES OF FIELD TESTS

FIELD TESTING PAVEMENT TEMPERATURE DATA

SITE	DATE TESTED	TEST	TIME TEST		AVERAGE MEAN PAVEMENT TEMPERATURE DURING TEST
			STARTED	COMPLETED	
1	6AUG87	BLK 1 REP 1	0700	0800	94.5
1	6AUG87	BLK 1 REP 2	0801	0825	94.7
1	6AUG87	BLK 1 REP 3	0826	0920	94.5
1	6AUG87	BLK 2 REP 1	0922	0929	94.6
1	6AUG87	BLK 2 REP 2	0930	0935	94.6
1	6AUG87	BLK 2 REP 3	0936	0941	95
1	6AUG87	PERFORMANCE	1050	1640	97.6
1	6AUG87	JOINT TEST	1053	1655	97.6
1	6AUG87	REF PT 1	945	1016	96
1	6AUG87	REF PT 2	1320	1407	101.3
1	6AUG87	REF PT 3	1545	1611	97.8
2	7AUG87	BLK 1 REP 1	0805	0841	93.5
2	7AUG87	BLK 1 REP 2	0843	0910	94.3
2	7AUG87	BLK 1 REP 3	0912	0947	95.6
2	7AUG87	BLK 2 REP 1	1005	1012	97.3
2	7AUG87	BLK 2 REP 2	1013	1019	97.3
2	7AUG87	BLK 2 REP 3	1025	1032	97.7
2	7AUG87	PERFORMANCE	1057	1330	102.4
2	7AUG87	REF PT 1	1035	1055	98.1
2	7AUG87	REF PT 2	1332	1355	106
3	8AUG87	BLK 1 REP 1	0634	0715	95.4
3	8AUG87	BLK 1 REP 2	0717	0750	95.3
3	8AUG87	BLK 1 REP 3	0752	0817	95.8
3	8AUG87	BLK 2 REP 1	1653	1700	109.9
3	8AUG87	BLK 2 REP 2	1701	1706	109.7
3	8AUG87	BLK 2 REP 3	1708	1715	109.6
3	8AUG87	PERFORMANCE	1130	1720	115.1
3	8AUG87	JOINT TEST	1150	1705	115.7
3	8AUG87	REF PT 1	1045	1120	102.7
3	8AUG87	REF PT 2	1300	1330	115
3	8AUG87	REF PT 3	1725	1755	109.6
4	8AUG87	BLK 1 REP 1	0818	0850	96.4
4	8AUG87	BLK 1 REP 2	0855	0922	97.9
4	8AUG87	BLK 1 REP 3	0925	1000	99.7
4	8AUG87	BLK 2 REP 1	1005	1020	101
4	8AUG87	BLK 2 REP 2	1025	1035	103.2
4	8AUG87	BLK 2 REP 3	1038	1047	103.7
4	8AUG87	PERFORMANCE	1115	1540	112.2
4	8AUG87	REF PT 1	1050	1110	105.3
4	8AUG87	REF PT 2	1300	1315	120
4	8AUG87	REF PT 3	1545	1557	118.4
5	11AUG87	BLK 1 REP 1	0605	0640	95.2
5	11AUG87	BLK 1 REP 2	0641	0705	93.1

5	11AUG87	BLK 1 REP 3	0706	0738	93
5	11AUG87	BLK 2 REP 1	0515	0520	100.0
5	11AUG87	BLK 2 REP 2	0521	0530	99.8
5	11AUG87	BLK 2 REP 3	0531	0536	99.7
5	10AUG87	PERFORMANCE	1030	1422	107.6
5	10AUG87	REF PT 1	1005	1026	105.2
5	10AUG87	REF PT 2	1155	1215	118.2
5	10AUG87	REF PT 3	1410	1427	110.6
6	11AUG87	BLK 1 REP 1	0710	0730	97.8
6	11AUG87	BLK 1 REP 2	0731	0805	98
6	11AUG87	BLK 1 REP 3	0806	0835	99.3
6	11AUG87	BLK 2 REP 1	0445	0455	103.1
6	11AUG87	BLK 2 REP 2	0456	0505	103.1
6	11AUG87	BLK 2 REP 3	0506	0514	103.1
6	10AUG87	PERFORMANCE	1045	1430	113.6
6	10AUG87	REF PT 1	1000	1025	111.5
6	10AUG87	REF PT 2	1200	1220	114.6
6	10AUG87	REF PT 3	1415	1435	114.9
7	13AUG87	BLK 1 REP 1	1100	1130	105.5
7	13AUG87	BLK 1 REP 2	1132	1204	106.4
7	13AUG87	BLK 1 REP 3	1205	1238	107.6
7	13AUG87	BLK 2 REP 1	0554	0600	97.1
7	13AUG87	BLK 2 REP 2	0600	0606	97.1
7	13AUG87	BLK 2 REP 3	0607	0610	97.4
7	13AUG87	PERFORMANCE	1301	1650	107.5
7	13AUG87	JOINT TEST	1310	1655	107.5
7	13AUG87	REF PT 1	1245	1300	108.7
7	13AUG87	REF PT 2	1720	1740	105.6
8	13AUG87	BLK 1 REP 1	0908	0940	103.1
8	13AUG87	BLK 1 REP 2	0945	1022	105.9
8	13AUG87	BLK 1 REP 3	1025	1055	107.2
8	13AUG87	BLK 2 REP 1	0611	0616	97.1
8	13AUG87	BLK 2 REP 2	0617	0622	97.3
8	13AUG87	BLK 2 REP 3	0623	0630	97.6
8	12AUG87	PERFORMANCE	1430	1805	116.7
8	12AUG87	REF PT 1	1415	1429	112
8	12AUG87	REF PT 2	1614	1630	120
8	12AUG87	REF PT 3	1751	1808	118.3
9	13AUG87	BLK 1 REP 1	0726	0801	96.5
9	13AUG87	BLK 1 REP 2	0804	0832	97.2
9	13AUG87	BLK 1 REP 3	0835	0852	97.8
9	13AUG87	BLK 2 REP 1	0640	0649	97.6
9	13AUG87	BLK 2 REP 2	0650	0654	97.6
9	13AUG87	BLK 2 REP 3	0655	0704	97.6
9	12AUG87	PERFORMANCE	1430	1758	119
9	12AUG87	REF PT 1	1400	1431	116.7
9	12AUG87	REF PT 2	1618	1641	122.4
9	12AUG87	REF PT 3	1753	1812	121.8

10	12AUG87	BLK 1 REP 1	0640	0710	97.3
10	12AUG87	BLK 1 REP 2	0712	0738	96.8
10	12AUG87	BLK 1 REP 3	0740	0807	96.4
10	12AUG87	BLK 2 REP 1	0823	0830	96.4
10	12AUG87	BLK 2 REP 2	0831	0837	96.4
10	12AUG87	BLK 2 REP 3	0838	0845	96.6
10	12AUG87	PERFORMANCE	0906	1205	98.8
10	12AUG87	REF PT 1	0847	0905	96.6
10	12AUG87	REF PT 2	1205	1220	101
11	17AUG87	BLK 1 REP 1	0804	0840	105.6
11	17AUG87	BLK 1 REP 2	0841	0915	101.3
11	17AUG87	BLK 1 REP 3	0916	1000	101.1
11	17AUG87	BLK 2 REP 1	1001	1010	101
11	17AUG87	BLK 2 REP 2	1011	1016	101
11	17AUG87	BLK 2 REP 3	1017	1022	101.3
11	17AUG87	PERFORMANCE	1056	1637	107.8
11	17AUG87	JOINT TEST	0920	1623	107
11	17AUG87	REF PT 1	1025	1041	102.1
11	17AUG87	REF PT 2	1252	1305	107.9
11	17AUG87	REF PT 3	1635	1649	112.7
12	18AUG87	BLK 1 REP 1	0824	0857	88.8
12	18AUG87	BLK 1 REP 2	0858	0930	89.8
12	18AUG87	BLK 1 REP 3	0931	1000	90.8
12	18AUG87	BLK 2 REP 1	1009	1015	91.5
12	18AUG87	BLK 2 REP 2	1016	1019	91.9
12	18AUG87	BLK 2 REP 3	1021	1037	92.4
12	18AUG87	PERFORMANCE	1055	1452	106.6
12	18AUG87	REF PT 1	1200	1217	98.3
12	18AUG87	REF PT 2	1320	1338	108
12	18AUG87	REF PT 3	1500	1520	121.1